# PACKAGING CORPORATION OF AMERICA COUNCE, TENNESSEE

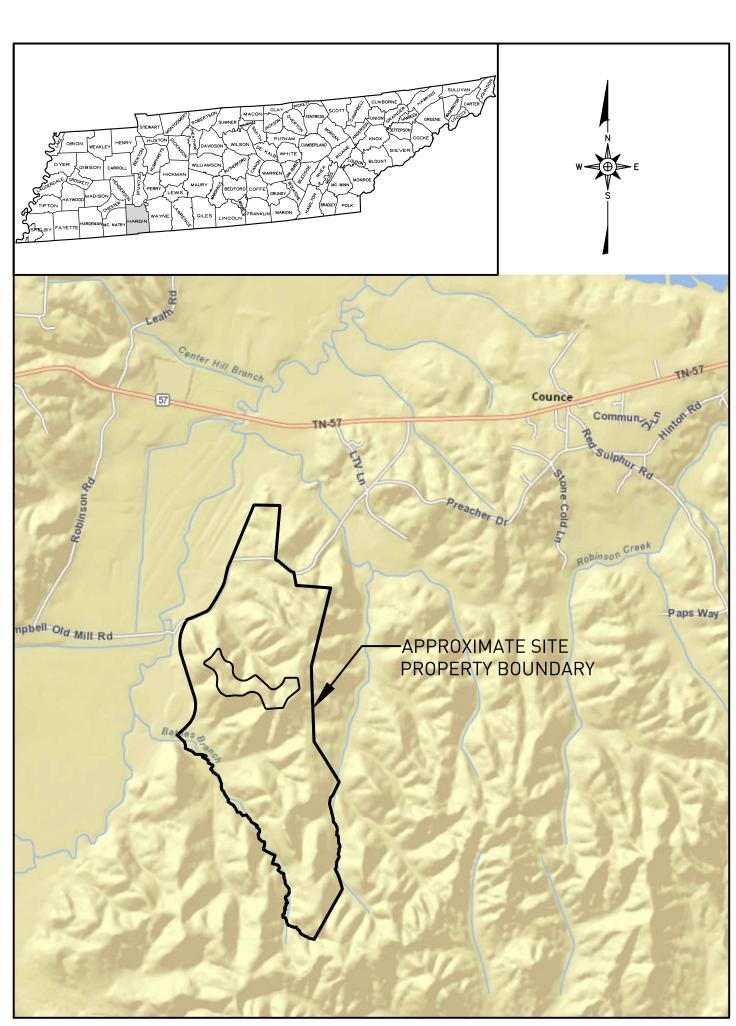
# SEAL SEAL SEAL SEAL

# PROPOSED HARBERT TRACT CLASS II LANDFILL

### PERMIT DRAWINGS

### SEPTEMBER 2014 REVISED: AUGUST 2015

	REV.	DATE	DESCRIPTION
ĺ	1	NOV 2014	RESPONSE TO TDEC
ĺ			COMPLETENESS REVIEW
	2	APRIL 2015	RESPONSE TO TDEC
			NOD 2/25/15
	3	JULY 2015	RESPONSE TO TDEC
			COMMENTS MAY 21, 2015
	4	AUG. 2015	RESPONSE TO 7/30/15 TDEC
			PERMIT REVIEW
	·		

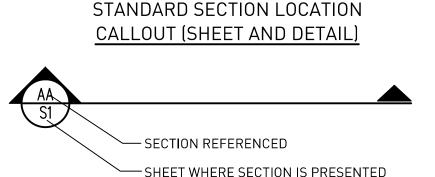


9	ITE LOCATION	MAP
Ī	OT TO SCALE	

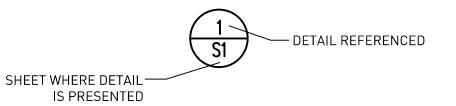
SHEET NO.	DRAWING NO.	DRAWING TITLE	REVISIONS
1	-	TITLE - COVER SHEET	
2	<b>S</b> 1	EXISTING CONDITIONS	$\triangle$
3	S2	HYDROGEOLOGIC CONDITIONS	$\triangle$
4	S3	TOP OF GEOLOGIC BUFFER GRADING PLAN	
5	S4	TOP OF CLAY GRADING PLAN	
6	S5	TOP OF PROTECTIVE COVER GRADING PLAN	
7	S6	FINAL GRADING AND DRAINAGE PLAN	
8	P1	LANDFILL PHASING PLAN (SHEET 1 OF 2)	<u> </u>
9	P2	LANDFILL PHASING PLAN (SHEET 2 OF 2)	<u> </u>
10	-	BASIN A PLAN AND DETAILS	
11	-	BASIN A DETAILS	
12	-	BASIN B PLAN AND DETAILS	
13	-	BASIN B DETAILS	
14	-	BASIN C PLAN AND DETAILS	
15	-	BASIN C DETAILS	
16	-	BASIN D PLAN AND DETAILS	
17	-	BASIN D DETAILS	
18	EC1	EROSION AND SEDIMENTATION CONTROL DETAILS	$2 \sqrt{3}$
19	X1	CROSS SECTIONS (SHEET 1 OF 3)	
20	X2	CROSS SECTIONS (SHEET 2 OF 3)	$\triangle$ $\triangle$ $\triangle$
20A	X2A	CROSS SECTIONS (SHEET 3 OF 3)	
21	X3	PERIMETER SECTIONS	<u> </u>
22	L1	LINER AND BERM DETAILS	4
23	LC1	LEACHATE COLLECTION SYSTEM DETAILS (SHEET 1 OF 2)	4
24	LC2	LEACHATE COLLECTION SYSTEM DETAILS (SHEET 2 OF 2)	$2 \sqrt{3} \sqrt{4}$
25	LM1	LEACHATE MANAGEMENT DETAILS	
26	FC1	FINAL COVER DETAILS (SHEET 1 OF 2)	<u> </u>
27	FC2	FINAL COVER DETAILS (SHEET 2 OF 2)	<u>\$</u>
28	TF1	LEACHATE STORAGE TANK DETAILS	$\triangle$



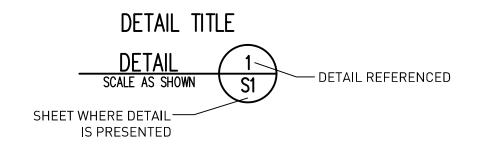
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#### STANDARD DETAIL CALLOUT



STANDARD DETAIL LABEL AND CALLOUT



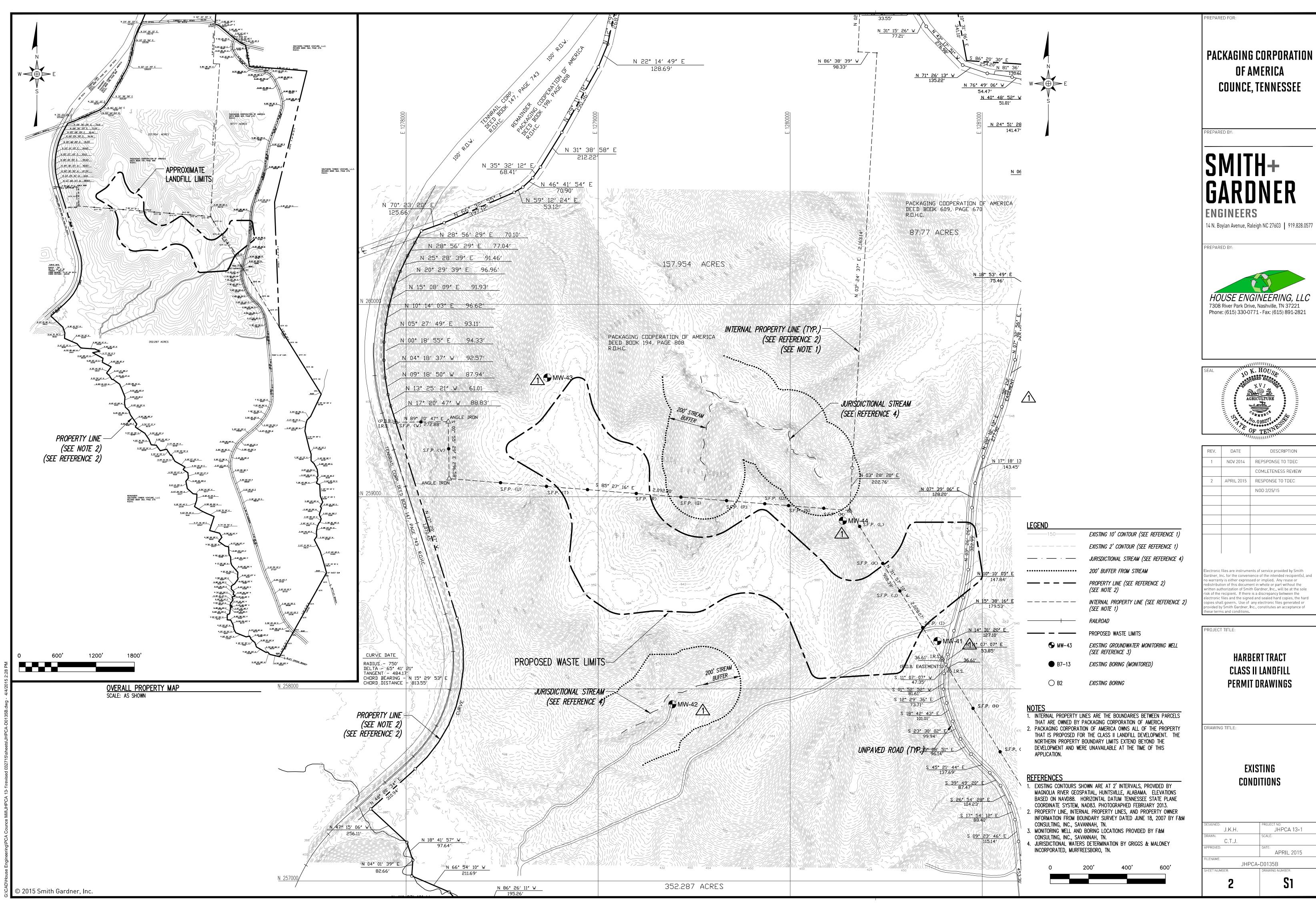
STANDARD REVISION
CALLOUT (SHEET AND DETAIL)

SHEET SET REVISION NUMBE

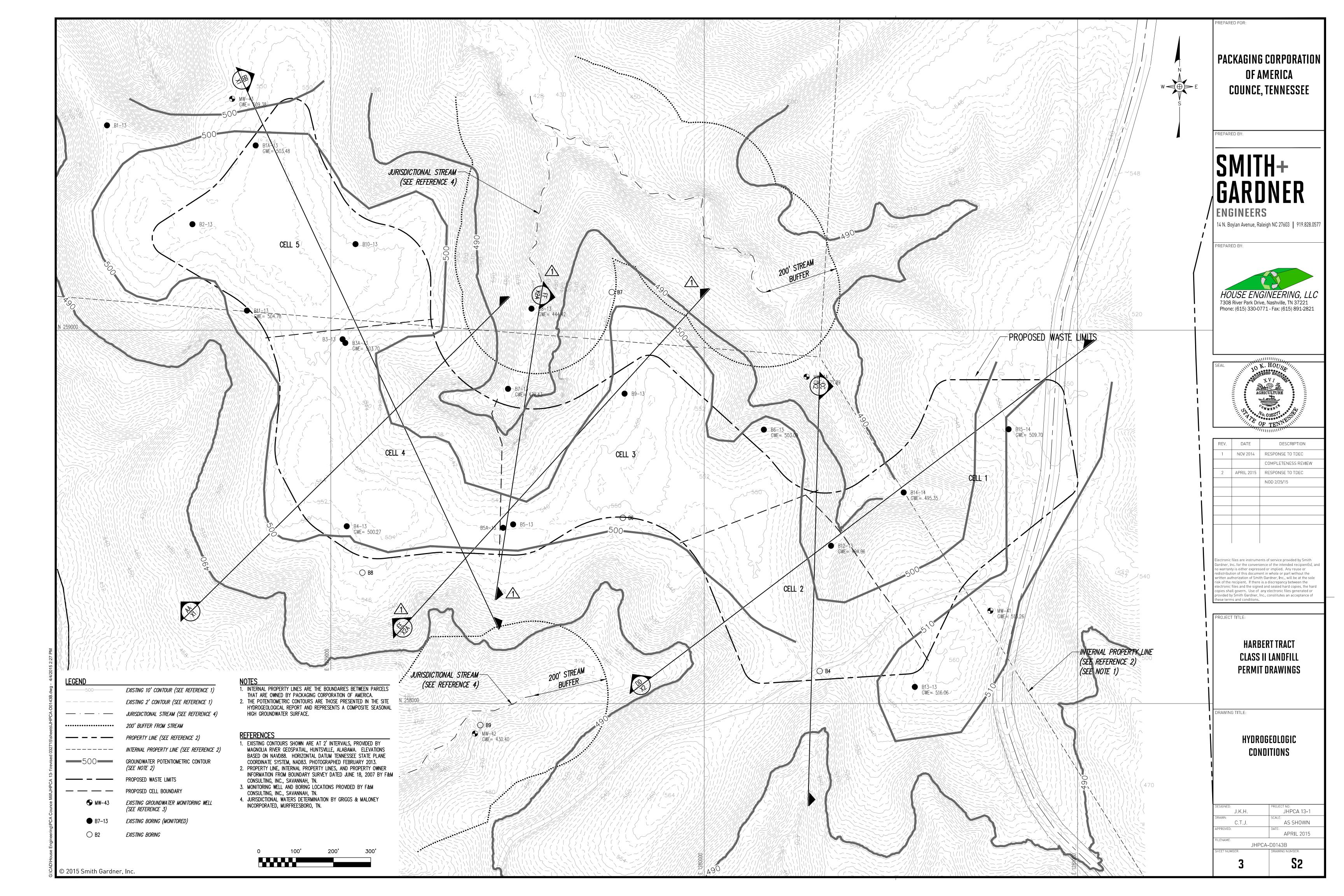


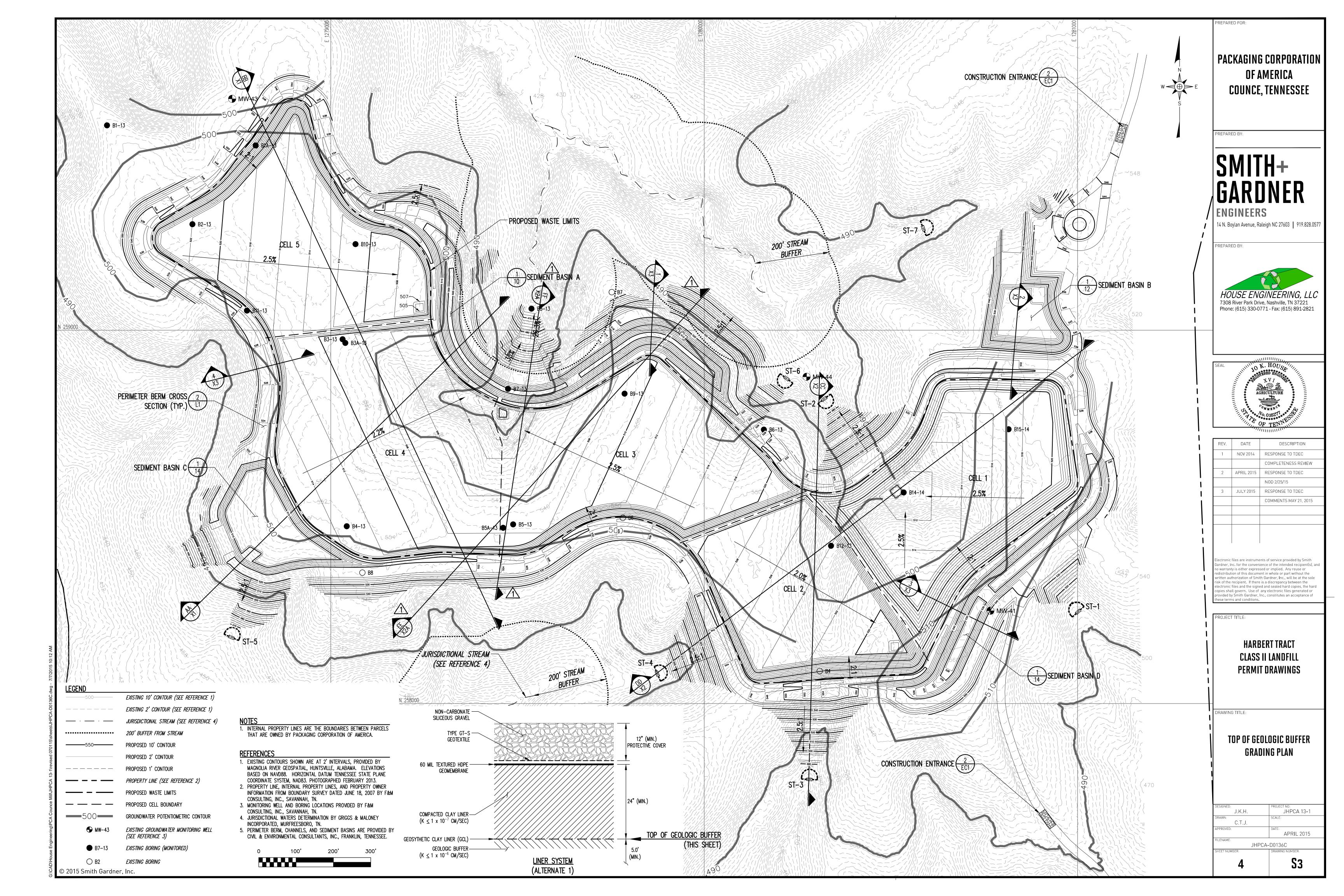


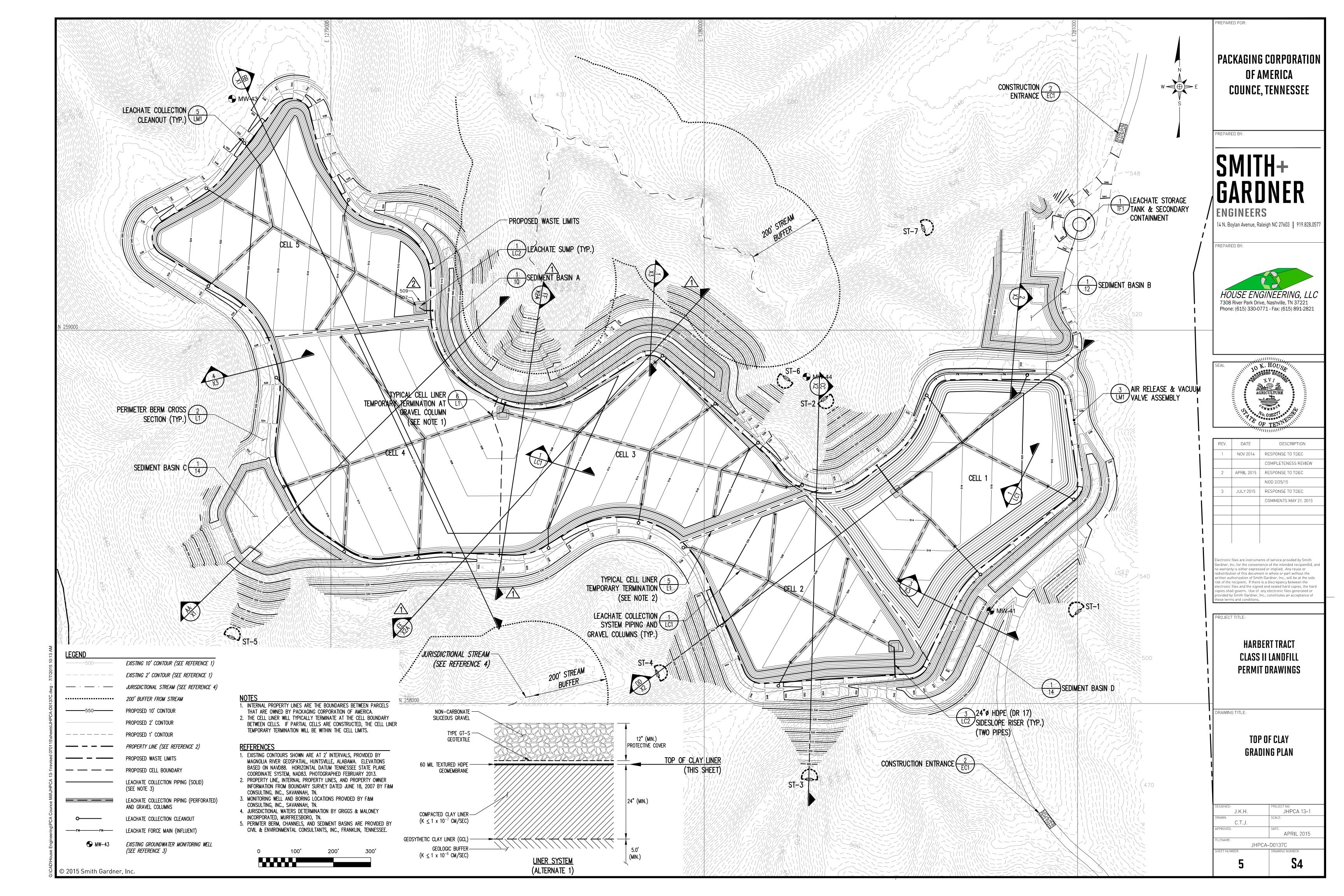


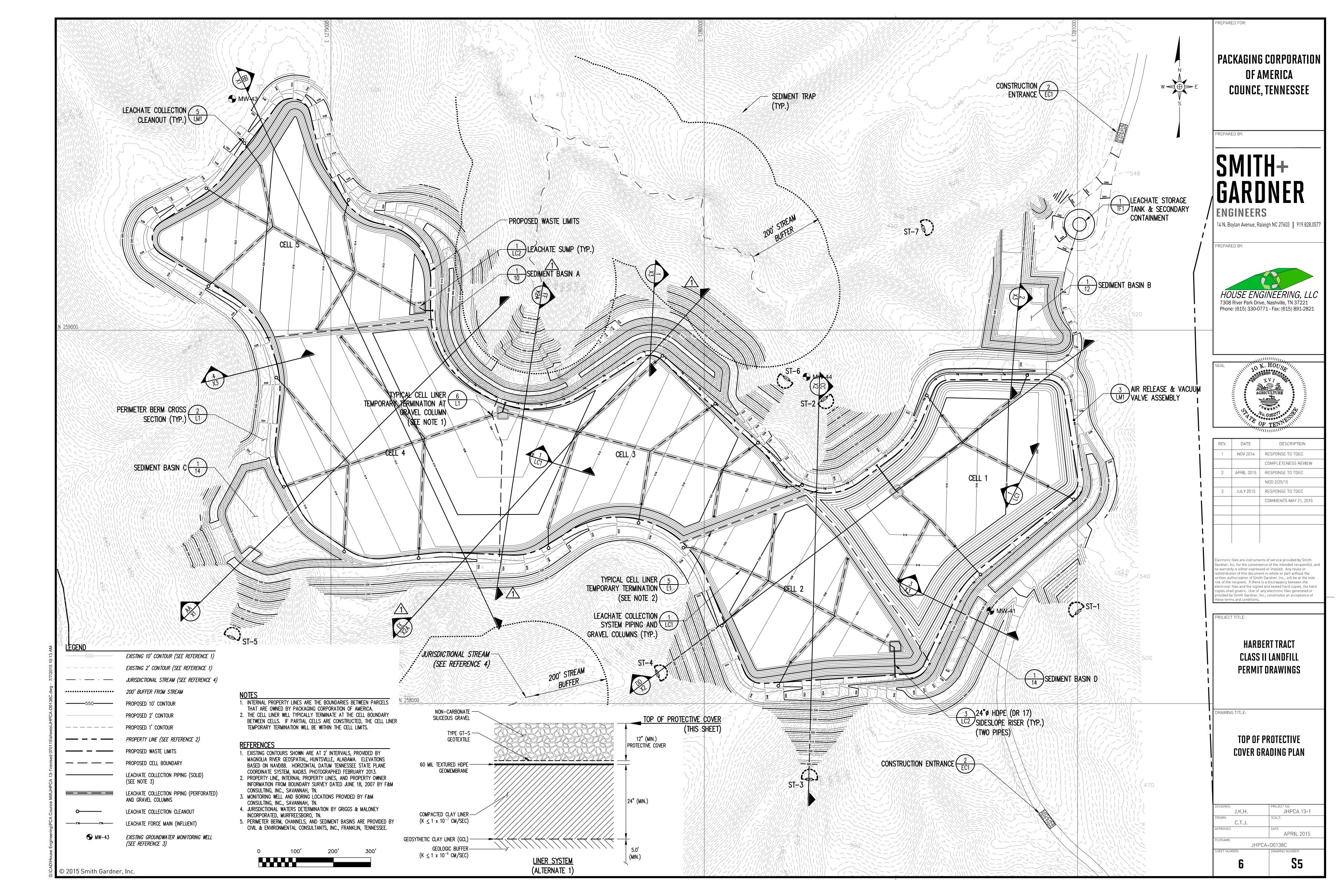


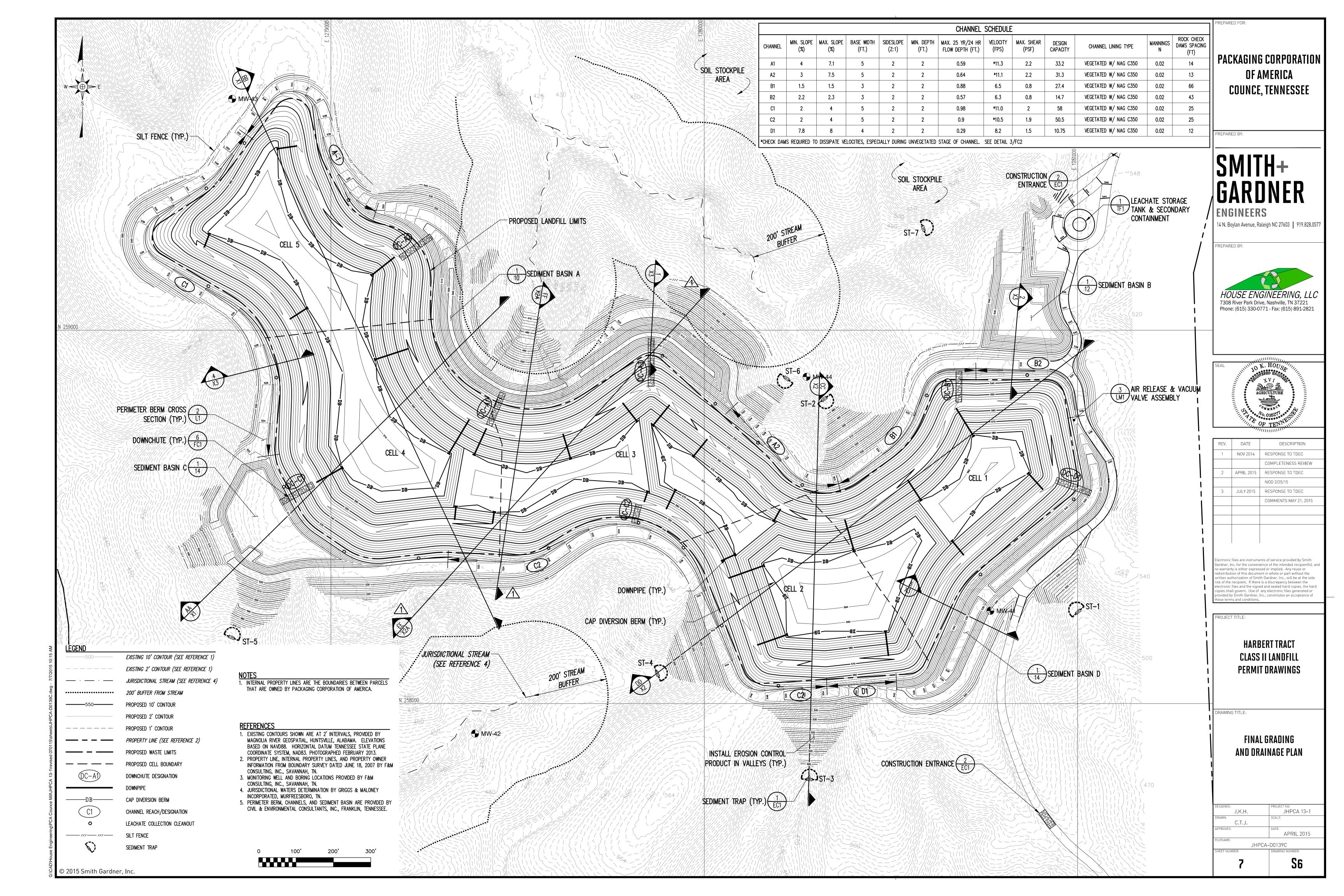
REV.	DATE	DESCRIPTION
1	NOV 2014	REPSPONSE TO TDEC
		COMLETENESS REVIEW
2	APRIL 2015	RESPONSE TO TDEC
		NOD 2/25/15

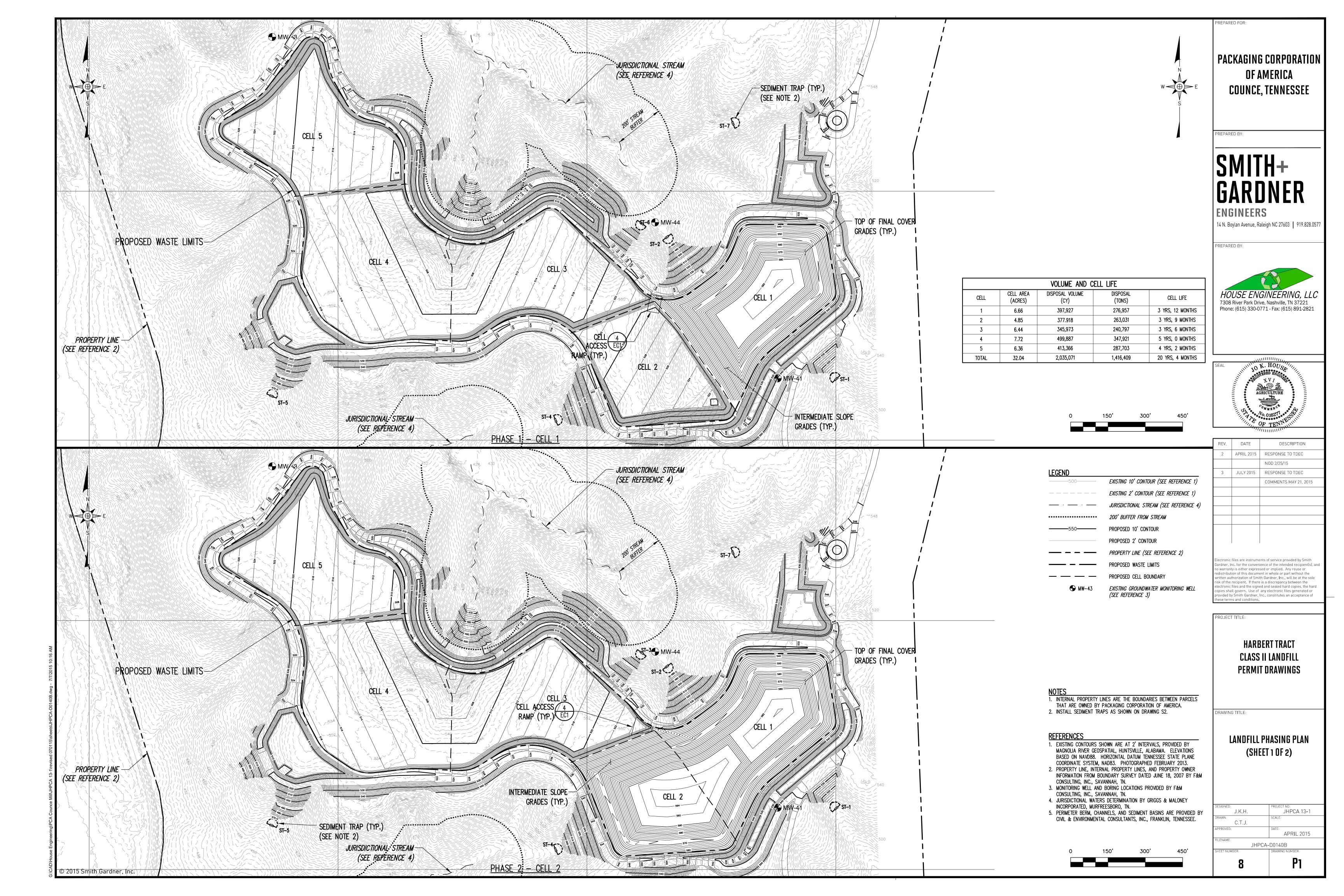


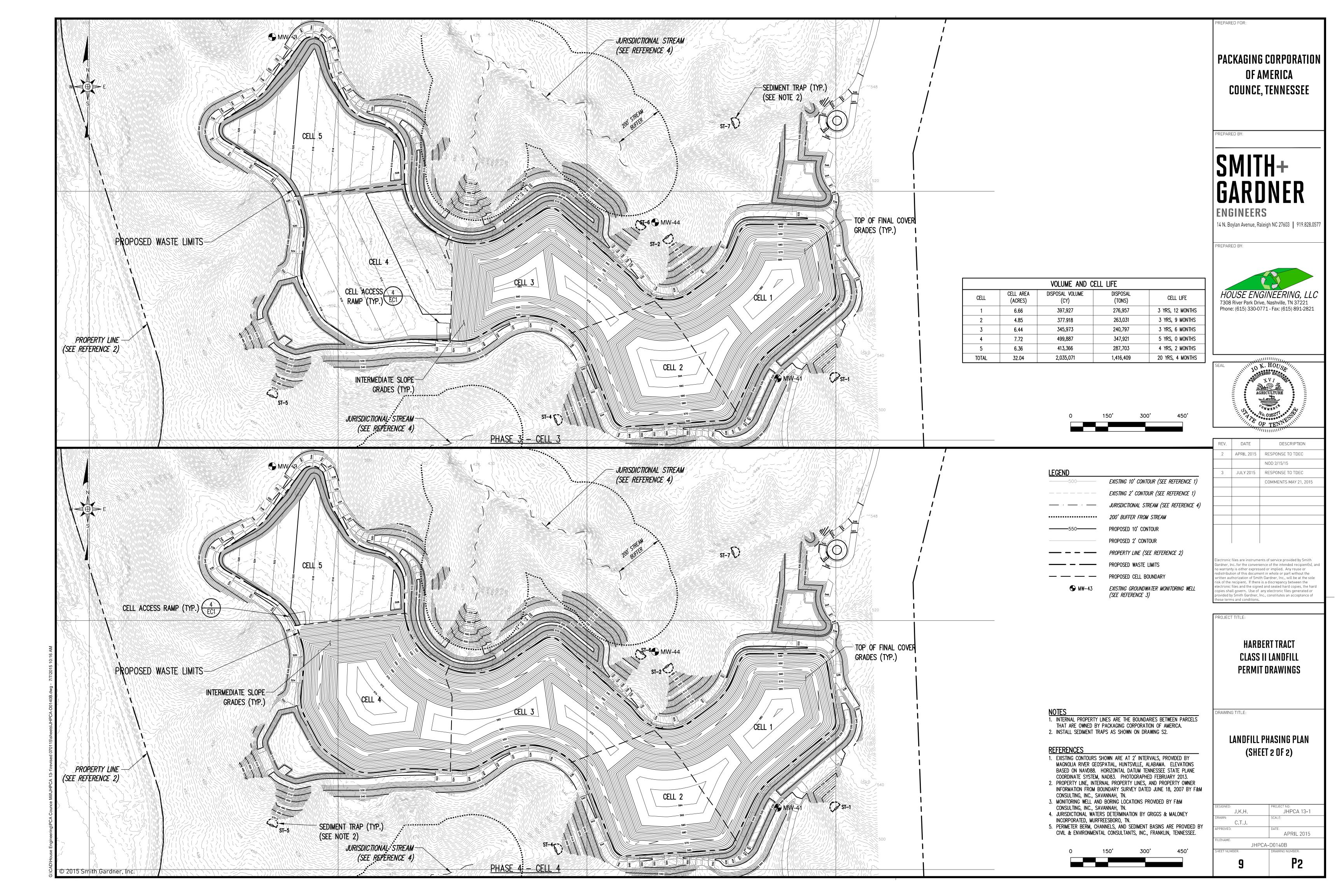


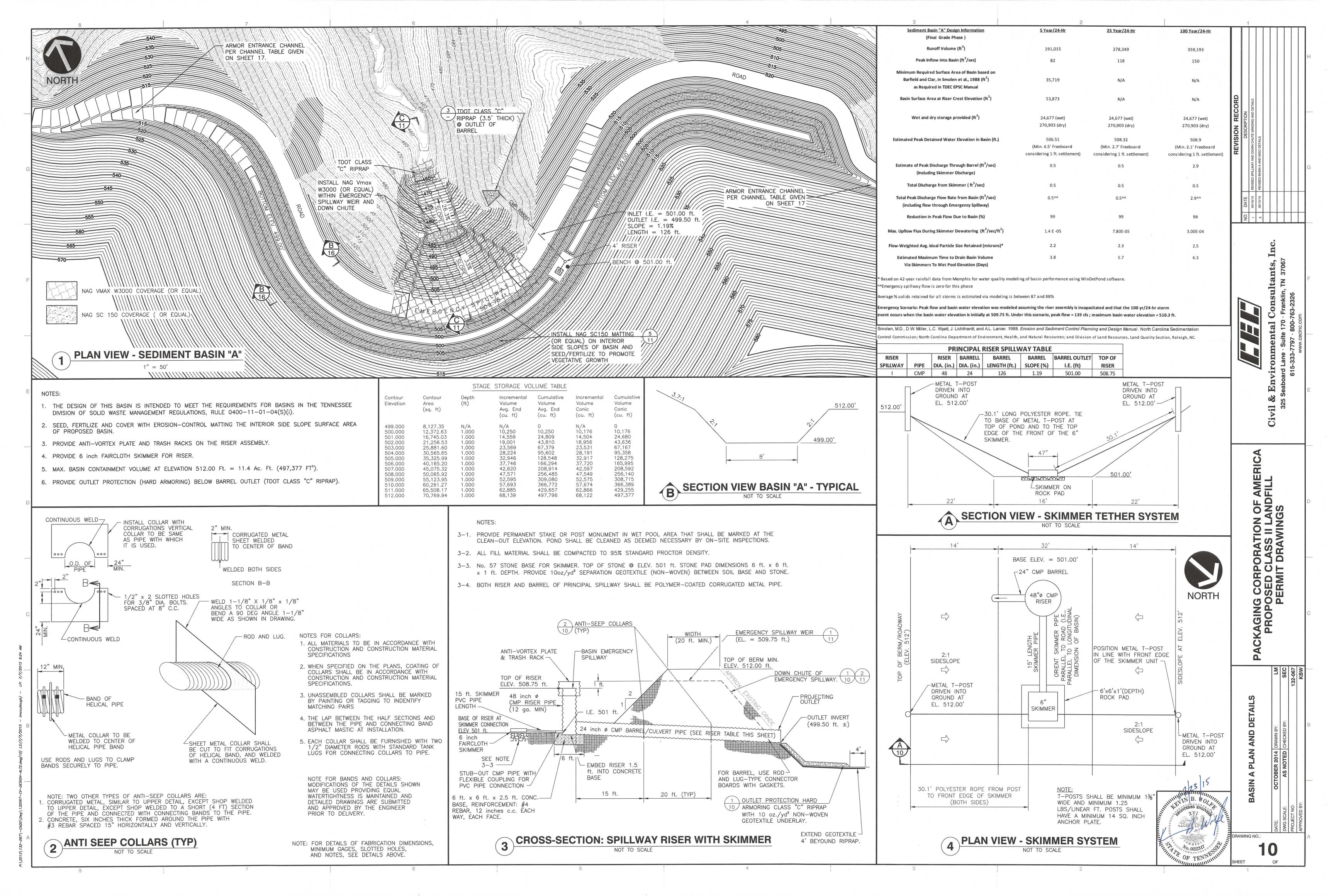


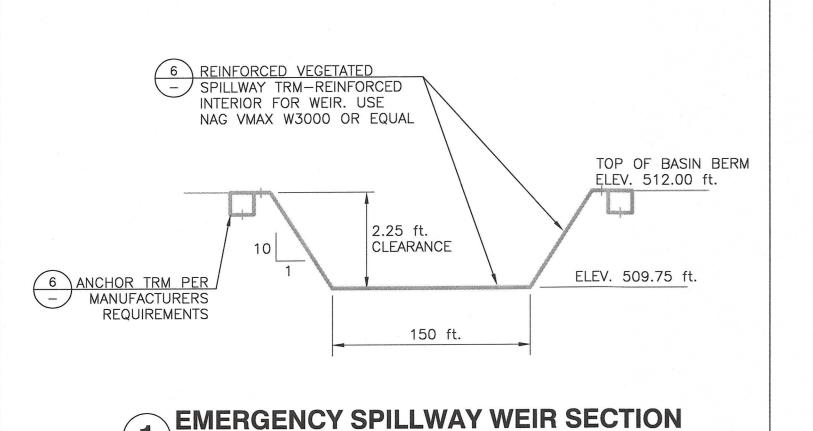












CLEARANCE 6 ANCHOR TRM PER MANUFACTURERS REQUIREMENTS VARIES 10

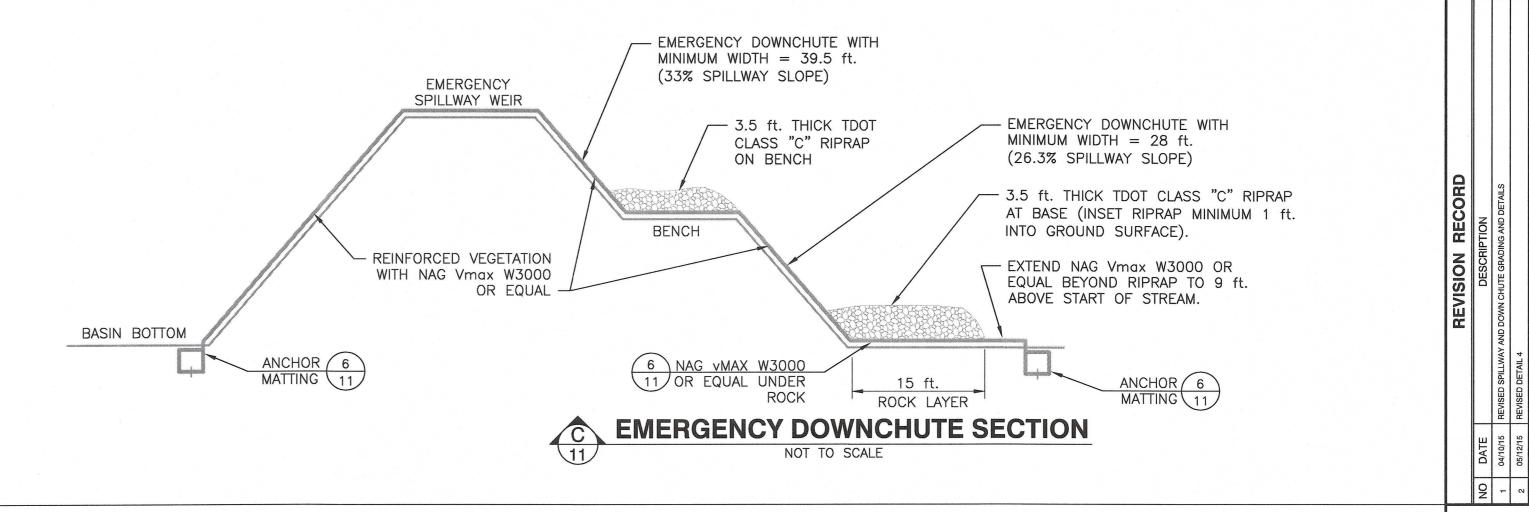
6 REINFORCED VEGETATED SPILLWAY

TRM-REINFORCED INTERIOR FOR

WEIR. USE NAG VMAX W3000 OR

**EMERGENCY SPILLWAY DOWNCHUTE - SECTION** NOT TO SCALE

EQUAL



8 ROLLED EROSION CONTROL MATTING (NAG SC150 OR EQUAL)

NOT TO SCALE

# NOT TO SCALE

WATER ENTRY UNIT WITH TRASH SCREEN ORIFCE OPENING INSIDE THE HORIZONTAL TUBE - 4 ft. Ø CMP RISER WITH TRASH WITH A CONSTANT RACK AND ANTI-VORTEX PLATE HYDRAULIC HEAD (TOP ELEV. 508.75 ft.) -PVC VENT PIPE -5 inch ø SCHEDULE 40 PVC PIPE (BARREL OR ARM) -6 inch SKIMMER WITH 5 inch HEAD (47 inches L x 47 inches W) -FLEXIBLE HOSE 24 inch Ø FLOAT CMP BARREL OUTLET PIPE -- WELD TO **TOP VIEW** CULVERT TO THE OVERFLOW MINIMUM LENGTH APPLIES (15 ft. TOTAL) -PVC VENT PIPE -5 inch ø SCHEDULE, 40 PVC PIPE (BARREL OR ARM) ELEV. 501 ft. 6 ft. SIDE VIEW STONE BASE FOR SKIMMER. ─ 5 inch FLEXIBLE CONN, HOSE SCH. 40 STEEL 10 oz/yd² NON-WOVEN (FURNISHED WITH SKIMMER) COUPLING OR UNION-GEOTEXTILE UNDERLAY WATER ENTRY UNIT -SCH. 40 STEEL NIPPLE

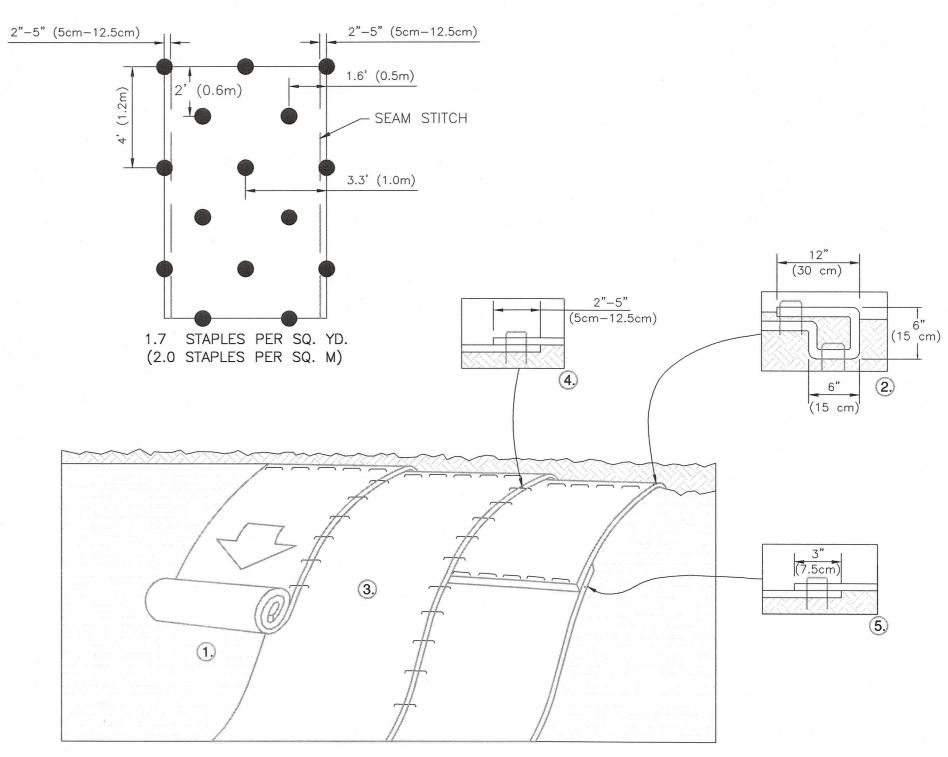
> USE A 5.6 INCH DIAMETER (RADIUS=2.8 INCHES) ORIFICE FOR THE SKIMMER INLET FOR BASIN "A"

1. PREPARE SOIL BEFORE INSTALLING RECPs, INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER, AND SEED.

2. BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE RECPs IN A 6 INCH (15cm) DEEP x 6 INCH (15cm) WIDE TRENCH WITH APPROXIMATELY 12 INCHES (30cm) OF RECPS EXTENDED BEYOND THE UP-SLOPE PORTION OF THE TRENCH. ANCHOR THE RECPS WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12 INCHES (30cm) APART IN THE BOTTOM OF THE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING. APPLY SEED TO COMPACTED SOIL AND FOLD REMAINING 12 INCH (30cm) PORTION OF RECPS BACK OVER SEED AND COMPACTED SOIL. SECURE BLANKET OVER COMPACTED SOIL WITH A ROW OF STAPLES/STAKES SPACED APPROXIMATELY 12 INCHES (30cm) APART ACROSS THE WIDTH OF THE BLANKET.

3. ROLL THE RECPS DOWN THE SLOPE. RECPS WILL UNROLL WITH APPROPRIATE SIDE AGAINST THE SOIL SURFACE. ALL RECPS MUST BE SECURELY FASTENED TO SOIL SURFACE BY PLACING STAPLES/STAKES IN APPROPRIATE LOCATIONS AS SHOWN IN THE STAPLE PATTERN GUIDE.

- 4. THE EDGES OF PARALLEL RECPs MUST BE STAPLED WITH APPROXIMATELY 5 INCHES (5cm-12.5cm) OVERLAP. TO ENSURE PROPER SEAM ALIGNMENT, PLACE THE EDGE OF THE OVERLAPPING RECPs (RECPs BEING INSTALLED ON TOP) EVEN WITH THE COLORED SEAM STITCH ON THE PREVIOUSLY INSTALLED RECPs.
- 5. CONSECUTIVE RECPs SPLICED DOWN THE SLOPE MUST BE PLACED END OVER END (SHINGLE STYLE) WITH AN APPROXIMATE 3 INCH (7.5cm) OVERLAP. STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 12 INCHES (30cm) APART ACROSS ENTIRE RECPs WIDTH.



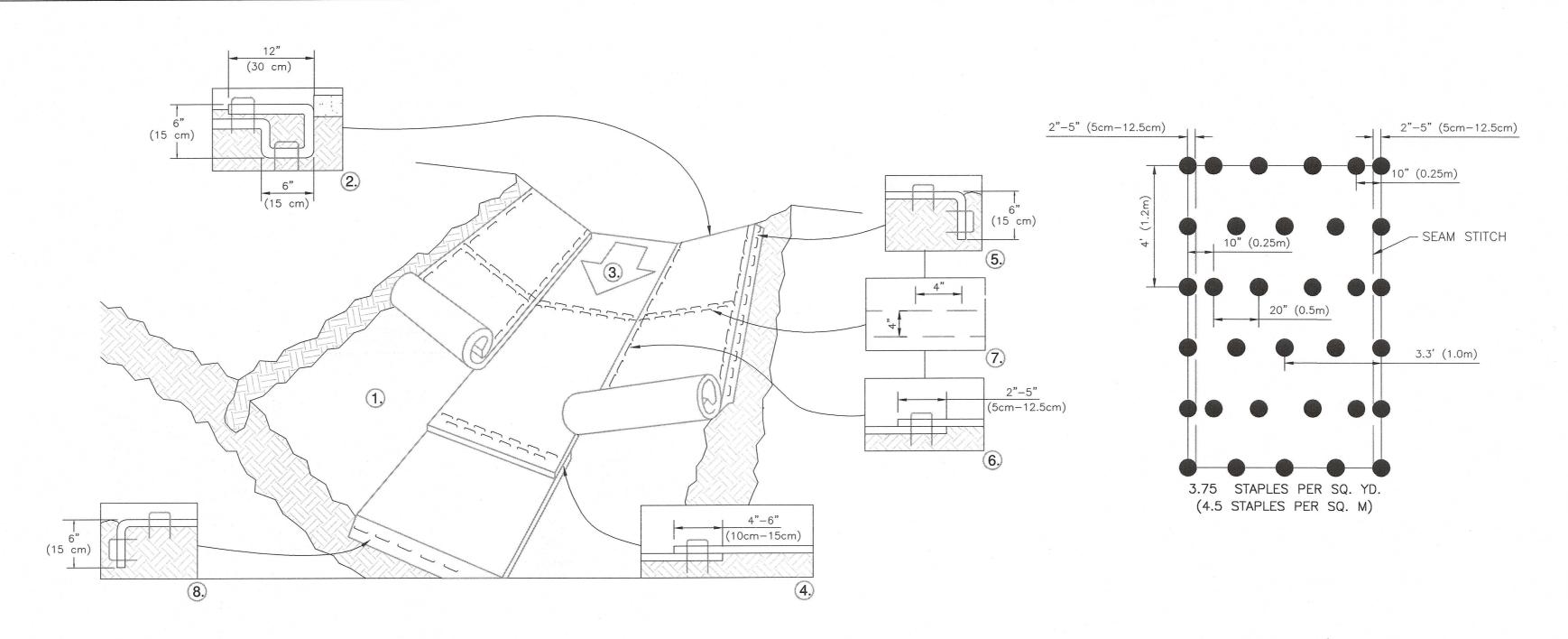
**END VIEW** 

#### 6" FAIRCLOTH SKIMMER® DISCHARGE SYSTEM WITH OUTLET STRUCTURE

NOT TO SCALE

1. PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER, AND SEED.

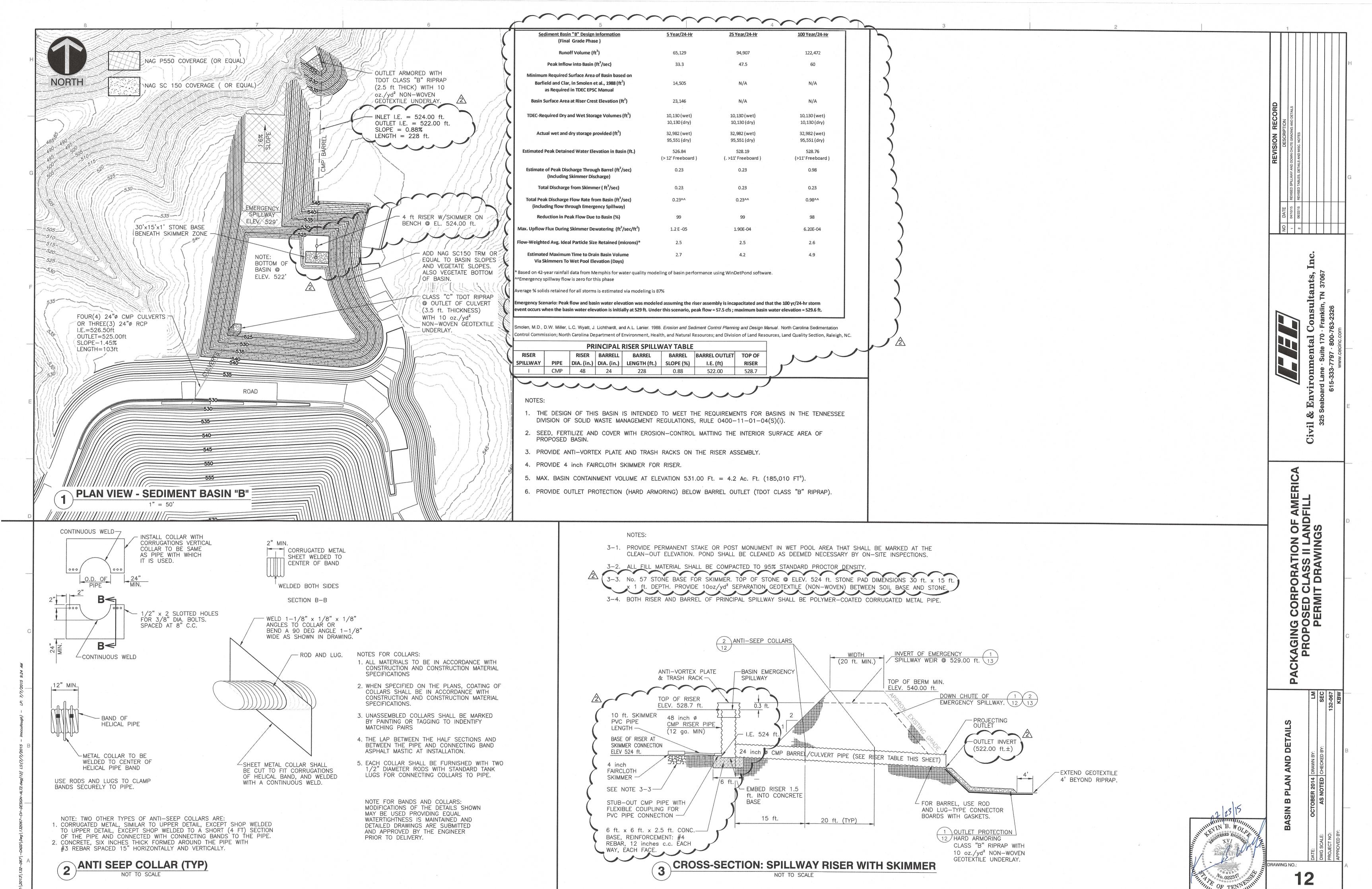
- BEGIN AT THE TOP OF THE CHANNEL BY ANCHORING THE BLANKET IN A 6 INCH (15cm) DEEP x 6 INCH (15cm) WIDE TRENCH WITH APPROXIMATELY 12 INCHES (30cm) OF BLANKET EXTENDED BEYOND THE UP-SLOPE PORTION OF THE TRENCH. ANCHOR THE BLANKET WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12 INCHES (30cm) APART IN THE BOTTOM OF THE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING. APPLY SEED TO COMPACTED SOIL AND FOLD REMAINING 12 INCHES (30cm) PORTION OF BLANKET BACK OVER SEED AND COMPACTED SOIL. SECURE BLANKET OVER COMPACTED SOIL WITH A ROW OF STAPLES/STAKES SPACED APPROXIMATELY 12 INCHES (30cm) APART ACROSS THE WIDTH OF THE BLANKET.
- UNROLL CENTER BLANKET IN DIRECTION OF WATER FLOW IN BOTTOM OF CHANNEL. BLANKETS WILL UNROLL WITH APPROPRIATE SIDE AGAINST THE SOIL SURFACE, ALL BLANKETS MUST BE SECURELY FASTENED TO SOIL SURFACE BY PLACING STAPLES/STAKES IN APPROPRIATE LOCATIONS AS SHOWN IN THE STAPLE PATTERN GUIDE. USE THE STAPLE PATTERN SHOWN ON THIS DETAIL.
- PLACE CONSECUTIVE BLANKETS END OVER END (SHINGLE STYLE) WITH A 6 INCH (10cm-15cm) OVERLAP. USE A DOUBLE ROW OF STAPLES STAGGERED 4 INCHES (10cm) APART AND 4 INCHES (10cm) ON CENTER TO SECURE BLANKETS.
- 5. FULL LENGTH EDGE OF BLANKETS AT TOP OF SIDE SLOPES MUST BE ANCHORED WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12 INCHES (30cm) APART IN A 6 INCH (15cm) DEEP x 6 INCH (15cm) WIDE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING.
- ADJACENT BLANKETS MUST BE OVERLAPPED APPROXIMATELY 5 INCHES (5cm-12.5cm) AND STAPLED. TO ENSURE PROPER SEAM ALIGNMENT, PLACE THE EDGE OF THE OVERLAPPING BLANKET (BLANKET BEING INSTALLED ON TOP) EVEN WITH THE COLORED SEAM STITCH ON THE BLANKET BEING OVERLAPPED.
- 7. A STAPLE CHECK SLOT IS REQUIRED AT 30 TO 40 FOOT (9m-12m) INTERVALS. USE A DOUBLE ROW OF STAPLES STAGGERED 4 INCHES (10cm) APART AND 4 INCHES (10cm) ON CENTER OVER ENTIRE WIDTH OF THE CHANNEL.
- 8. THE TERMINAL END OF THE BLANKETS MUST BE ANCHORED WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12 INCHES (30cm) APART IN A 6 INCH (15cm) DEEP x 6 INCH (15cm) WIDE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING.

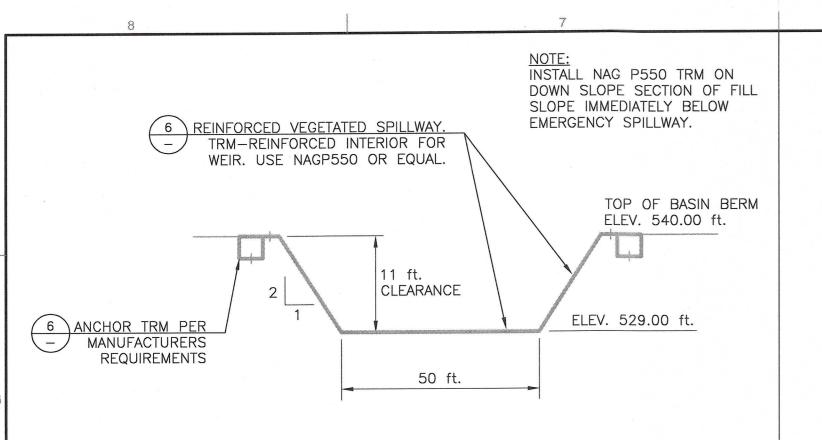


TURF-REINFORCEMENT FOR EMERGENCY SPILLWAY WEIR SECTION (NAG VMAX W3000 OR EQUAL)

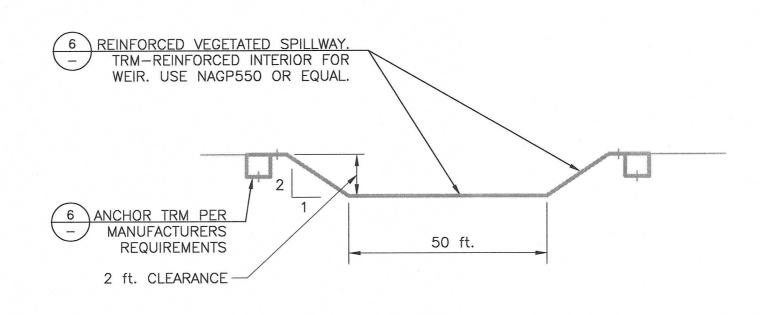
CLASS II LANDFILL PRAWINGS CORP()SED CI GING ROPO PE

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**EMERGENCY SPILLWAY WEIR SECTION** NOT TO SCALE



**EMERGENCY SPILLWAY DOWNCHUTE - SECTION** NOT TO SCALE

NOT USED NOT TO SCALE

- WATER ENTRY UNIT WITH TRASH SCREEN ORIFCE OPENING INSIDE THE HORIZONTAL TUBE - 4 ft. Ø CMP RISER WITH TRASH WITH A CONSTANT RACK AND ANTI-VORTEX PLATE HYDRAULIC HEAD (TOP ELEV. 528.70 ft.) -PVC VENT PIPE → 3 inch Ø SCHEDULE 40 PVC PIPE (BARREL OR ARM) -4 inch SKIMMER (33 inches L x 33 inches W) -FLEXIBLE HOSE 24 inch ø FLOAT CMP BARREL OUTLET PIPE **TOP VIEW** CULVERT TO THE OVERFLOW MINIMUM LENGTH APPLIES (10 ft. TOTAL) PVC VENT PIPE 3 inch Ø SCHEDULE 40 PVC PIPE (BARREL OR ARM) ELEV. 524 ft 15 ft. x 30 ft. SIDE VIEW STONE BASE FOR SKIMMER. ─ 3 inch FLEXIBLE CONN. HOSE SCH. 40 STEEL 10 oz/yd² NON-WOVEN (FURNISHED WITH SKIMMER) COUPLING OR UNION-GEOTEXTILE UNDERLAY WATER ENTRY UNIT SCH. 40 STEEL NIPPLE

> USE A 4 INCH DIAMETER ORIFICE FOR THE SKIMMER INLET FOR BASIN "B"

NOTES:

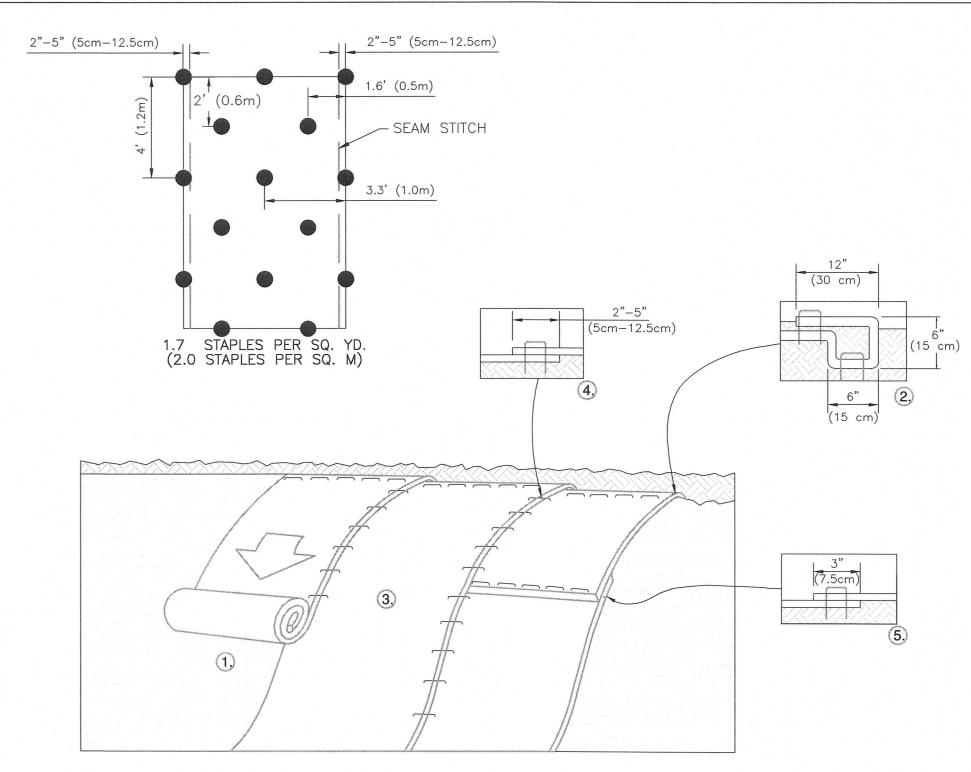
PREPARE SOIL BEFORE INSTALLING RECPs, INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER, AND SEED.

2. BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE RECPs IN A 6 INCH (15cm) DEEP x 6 INCH (15cm) WIDE TRENCH WITH APPROXIMATELY 12 INCHES (30cm) OF RECPS EXTENDED BEYOND THE UP-SLOPE PORTION OF THE TRENCH. ANCHOR THE RECPs WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12 INCHES (30cm) APART IN THE BOTTOM OF THE TRENCH, BACKFILL AND COMPACT THE TRENCH AFTER STAPLING. APPLY SEED TO COMPACTED SOIL AND FOLD REMAINING 12 INCH (30cm) PORTION OF RECPS BACK OVER SEED AND COMPACTED SOIL. SECURE BLANKET OVER COMPACTED SOIL WITH A ROW OF STAPLES/STAKES SPACED APPROXIMATELY 12 INCHES (30cm) APART ACROSS THE WIDTH OF THE BLANKET.

3. ROLL THE RECPs DOWN THE SLOPE. RECPs WILL UNROLL WITH APPROPRIATE SIDE AGAINST THE SOIL SURFACE. ALL RECPS MUST BE SECURELY FASTENED TO SOIL SURFACE BY PLACING STAPLES/STAKES IN APPROPRIATE LOCATIONS AS SHOWN IN THE STAPLE PATTERN GUIDE.

4. THE EDGES OF PARALLEL RECPs MUST BE STAPLED WITH APPROXIMATELY 5 INCHES (5cm-12.5cm) OVERLAP. TO ENSURE PROPER SEAM ALIGNMENT, PLACE THE EDGE OF THE OVERLAPPING RECPs (RECPs BEING INSTALLED ON TOP) EVEN WITH THE COLORED SEAM STITCH ON THE PREVIOUSLY INSTALLED RECPs.

5. CONSECUTIVE RECPS SPLICED DOWN THE SLOPE MUST BE PLACED END OVER END (SHINGLE STYLE) WITH AN APPROXIMATE 3 INCH (7.5cm) OVERLAP. STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 12 INCHES (30cm) APART ACROSS ENTIRE RECPs WIDTH.



80LLED EROSION CONTROL MATTING (NAG SC150 OR EQUAL) NOT TO SCALE

NOTES:

1. PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER, AND SEED.

4" FAIRCLOTH SKIMMER® DISCHARGE SYSTEM WITH OUTLET STRUCTURE

**END VIEW** 

BEGIN AT THE TOP OF THE CHANNEL BY ANCHORING THE BLANKET IN A 6 INCH (15cm) DEEP x 6 INCH (15cm) WIDE TRENCH WITH APPROXIMATELY 12 INCHES (30cm) OF BLANKET EXTENDED BEYOND THE UP-SLOPE PORTION OF THE TRENCH. ANCHOR THE BLANKET WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12 INCHES (30cm) APART IN THE BOTTOM OF THE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING. APPLY SEED TO COMPACTED SOIL AND FOLD REMAINING 12 INCHES (30cm) PORTION OF BLANKET BACK OVER SEED AND COMPACTED SOIL. SECURE BLANKET OVER COMPACTED SOIL WITH A ROW OF STAPLES/STAKES SPACED APPROXIMATELY 12 INCHES (30cm) APART ACROSS THE WIDTH OF THE BLANKET.

UNROLL CENTER BLANKET IN DIRECTION OF WATER FLOW IN BOTTOM OF CHANNEL. BLANKETS WILL UNROLL WITH APPROPRIATE SIDE AGAINST THE SOIL SURFACE. ALL BLANKETS MUST BE SECURELY FASTENED TO SOIL SURFACE BY PLACING STAPLES/STAKES IN APPROPRIATE LOCATIONS AS SHOWN IN THE STAPLE PATTERN GUIDE. USE THE STAPLE PATTERN SHOWN ON THIS DETAIL.

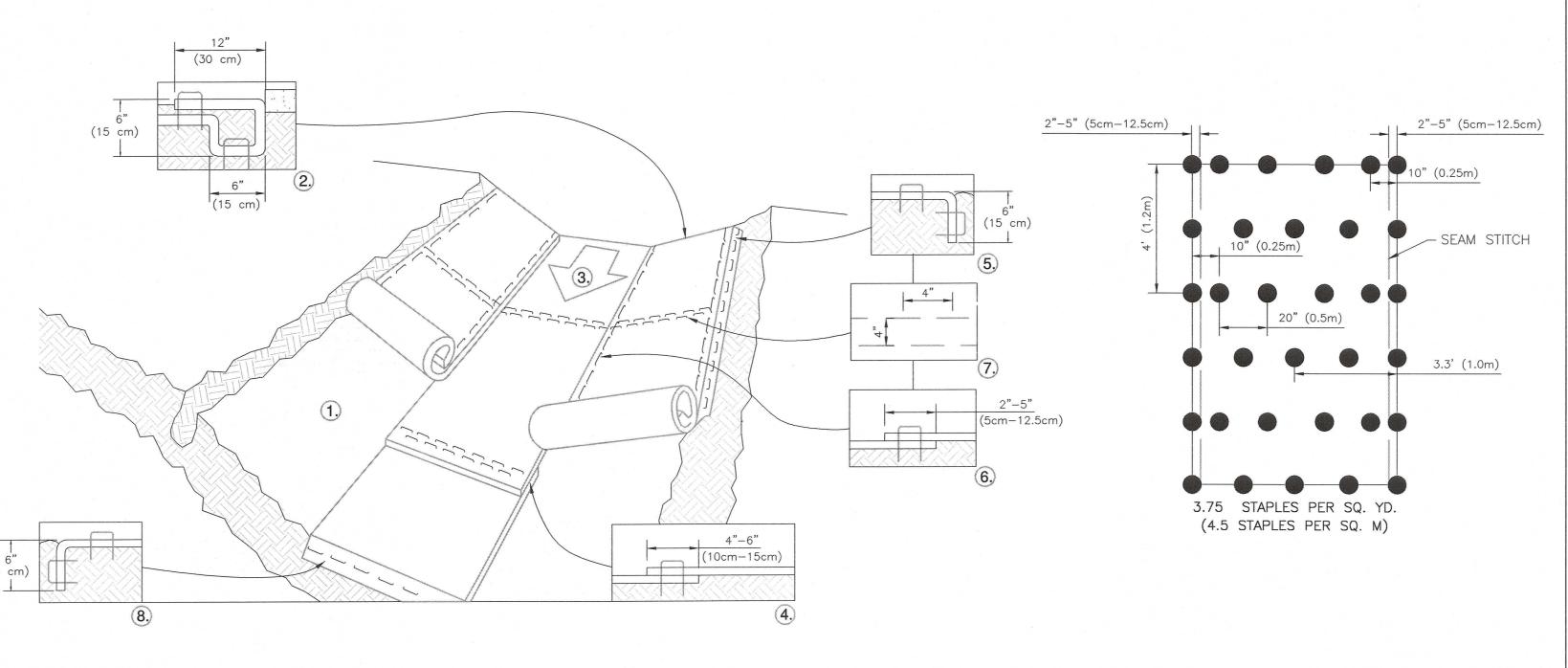
4. PLACE CONSECUTIVE BLANKETS END OVER END (SHINGLE STYLE) WITH A 6 INCH (10cm-15cm) OVERLAP. USE A DOUBLE ROW OF STAPLES STAGGERED 4 INCHES (10cm) APART AND 4 INCHES (10cm) ON CENTER TO SECURE BLANKETS.

FULL LENGTH EDGE OF BLANKETS AT TOP OF SIDE SLOPES MUST BE ANCHORED WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12 INCHES (30cm) APART IN A 6 INCH (15cm) DEEP x 6 INCH (15cm) WIDE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING.

ADJACENT BLANKETS MUST BE OVERLAPPED APPROXIMATELY 5 INCHES (5cm-12.5cm) AND STAPLED. TO ENSURE PROPER SEAM ALIGNMENT, PLACE THE EDGE OF THE OVERLAPPING BLANKET (BLANKET BEING INSTALLED ON TOP) EVEN WITH THE COLORED SEAM STITCH ON THE BLANKET BEING OVERLAPPED.

7. A STAPLE CHECK SLOT IS REQUIRED AT 30 TO 40 FOOT (9m-12m) INTERVALS. USE A DOUBLE ROW OF STAPLES STAGGERED 4 INCHES (10cm) APART AND 4 INCHES (10cm) ON CENTER OVER ENTIRE WIDTH OF THE CHANNEL.

8. THE TERMINAL END OF THE BLANKETS MUST BE ANCHORED WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12 INCHES (30cm) APART IN A 6 INCH (15cm) DEEP x 6 INCH (15cm) WIDE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING.



TURF-REINFORCEMENT FOR EMERGENCY SPILLWAY WEIR SECTION (NAG P550 OR EQUAL)

DRAWING NO.: 13

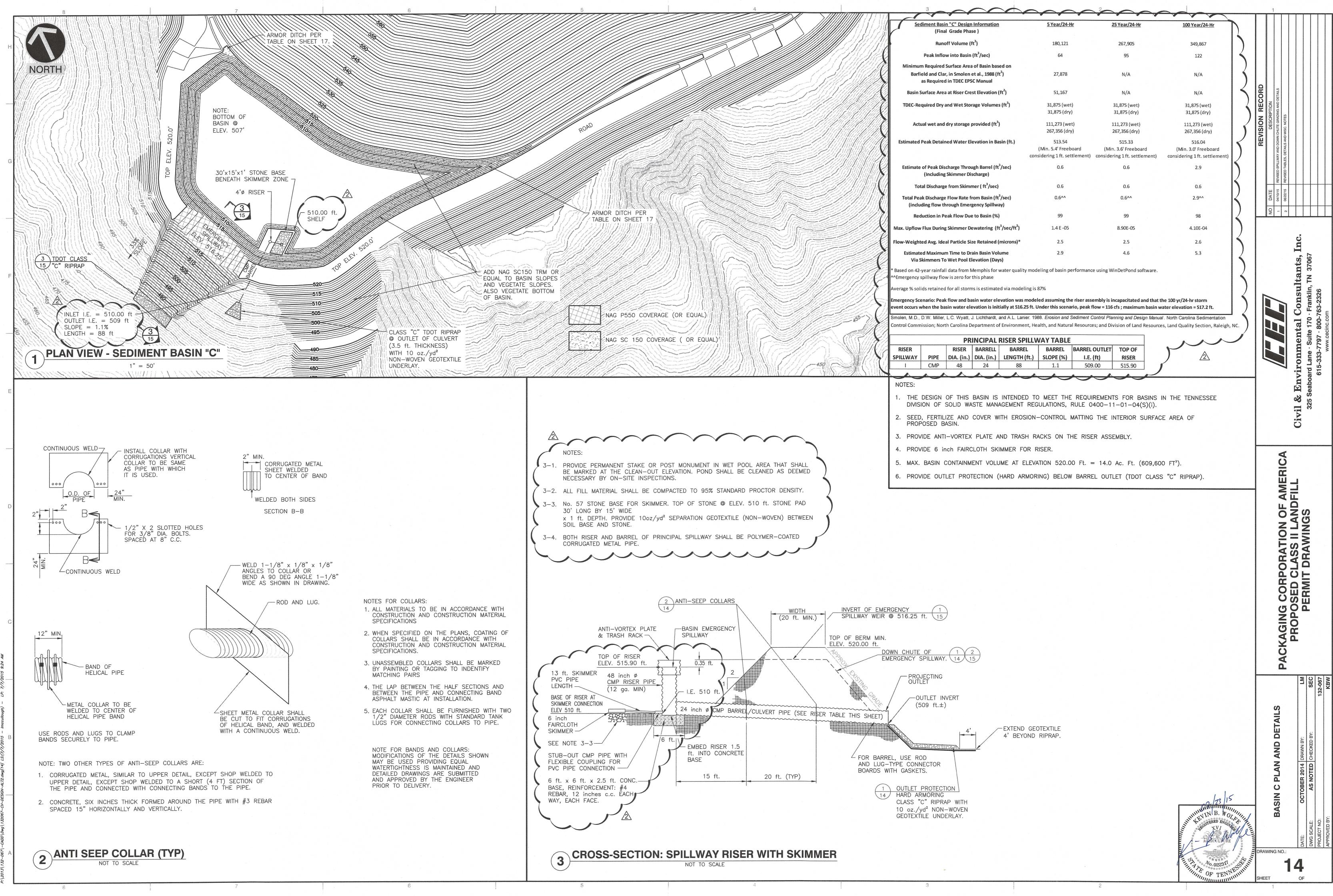
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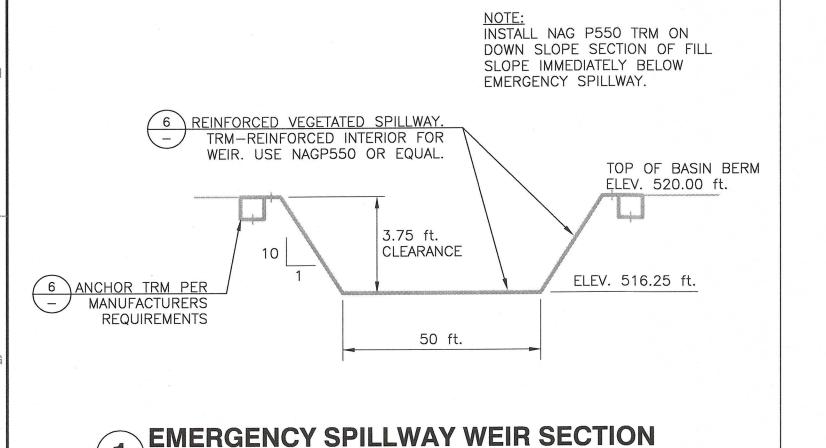
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NOT TO SCALE

-PVC VENT PIPE

- WATER ENTRY UNIT

**END VIEW** 

6 REINFORCED VEGETATED SPILLWAY. TRM-REINFORCED INTERIOR FOR WEIR. USE NAGP550 OR EQUAL. CLEARANCE 6 ANCHOR TRM PER MANUFACTURERS 50 ft. REQUIREMENTS

**EMERGENCY SPILLWAY DOWNCHUTE - SECTION** NOT TO SCALE

└─ 5 inch FLEXIBLE CONN. HOSE

#### EMERGENCY SPILLWAY DOWNCHUTE W/ NAG P550 OR EQUAL - RIPRAP BUTTRESS FOR ENERGY NAG P550 EMERGENCY WEIR DISSIPATION OR EQUAL - RIPRAP - TDOT CLASS "C" PLACE BUTTRESS ALONG THE ENTIRE LENGTH OF BASIN BOTTOM THE DOWNCHUTE AT THE BASE OF SLOPE. -EXTEND GEOTEXTILE 4' BEYOND RIPRAP.

**RIPRAP BUTTRESS** 

#### WATER ENTRY UNIT WITH TRASH SCREEN -4 ft. Ø CMP RISER WITH TRASH RACK AND ANTI-VORTEX PLATE -ORIFCE OPENING INSIDE (TOP ELEV. 515.90 ft.) THE HORIZONTAL TUBE -PVC VENT PIPE WITH A CONSTANT HYDRAULIC HEAD -5 inch ø SCHEDULE 40 PVC PIPE - 6 inch SKIMMER WITH 5 inch HEAD (BARREL OR ARM) (47 inches L x 47 inches W) 24 inch ø CMP BARREL -OUTLET PIPE -FLEXIBLE HOSE FLOAT - WELD TO L=1.4xDEPTH CULVERT TO THE OVERFLOW MINIMUM LENGTH APPLIES (13 ft. TOTAL) **TOP VIEW**

ELEV. 510 ft

SIDE VIEW

COUPLING OR UNION-

SCH. 40 STEEL

5 inch ø SCHEDULE, 40 PVC PIPE (BARREL OR ARM) 15 ft. x 30 ft.

10 oz/yd² NON-WOVEN (FURNISHED WITH SKIMMER) GEOTEXTILE UNDERLAY -SCH. 40 STEEL NIPPLE

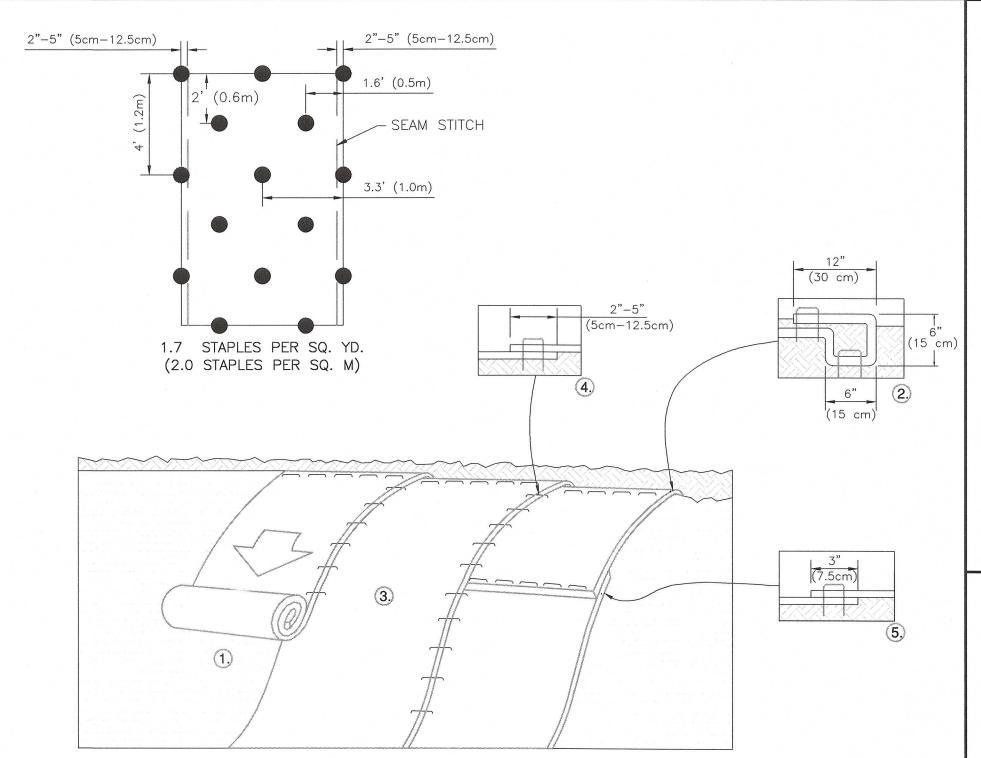
STONE BASE FOR SKIMMER.

USE A 6 INCH DIAMETER ORIFICE FOR THE SKIMMER INLET FOR BASIN "C"

1. PREPARE SOIL BEFORE INSTALLING RECPs, INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER, AND SEED.

2. BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE RECPs IN A 6 INCH (15cm) DEEP x 6 INCH (15cm) WIDE TRENCH WITH APPROXIMATELY 12 INCHES (30cm) OF RECPS EXTENDED BEYOND THE UP-SLOPE PORTION OF THE TRENCH. ANCHOR THE RECPs WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12 INCHES (30cm) APART IN THE BOTTOM OF THE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING. APPLY SEED TO COMPACTED SOIL AND FOLD REMAINING 12 INCH (30cm) PORTION OF RECPS BACK OVER SEED AND COMPACTED SOIL. SECURE BLANKET OVER COMPACTED SOIL WITH A ROW OF STAPLES/STAKES SPACED APPROXIMATELY 12 INCHES (30cm) APART ACROSS THE WIDTH OF THE BLANKET.

- 3. ROLL THE RECPS DOWN THE SLOPE. RECPS WILL UNROLL WITH APPROPRIATE SIDE AGAINST THE SOIL SURFACE. ALL RECPS MUST BE SECURELY FASTENED TO SOIL SURFACE BY PLACING STAPLES/STAKES IN APPROPRIATE LOCATIONS AS SHOWN IN THE STAPLE PATTERN GUIDE.
- 4. THE EDGES OF PARALLEL RECPS MUST BE STAPLED WITH APPROXIMATELY 5 INCHES (5cm-12.5cm) OVERLAP. TO ENSURE PROPER SEAM ALIGNMENT, PLACE THE EDGE OF THE OVERLAPPING RECPs (RECPs BEING INSTALLED ON TOP) EVEN WITH THE COLORED SEAM STITCH ON THE PREVIOUSLY INSTALLED RECPs.
- 5. CONSECUTIVE RECPs SPLICED DOWN THE SLOPE MUST BE PLACED END OVER END (SHINGLE STYLE) WITH AN APPROXIMATE 3 INCH (7.5cm) OVERLAP. STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 12 INCHES (30cm) APART ACROSS ENTIRE RECPs WIDTH.



80LLED EROSION CONTROL MATTING (NAG SC150 OR EQUAL)

NOTES:

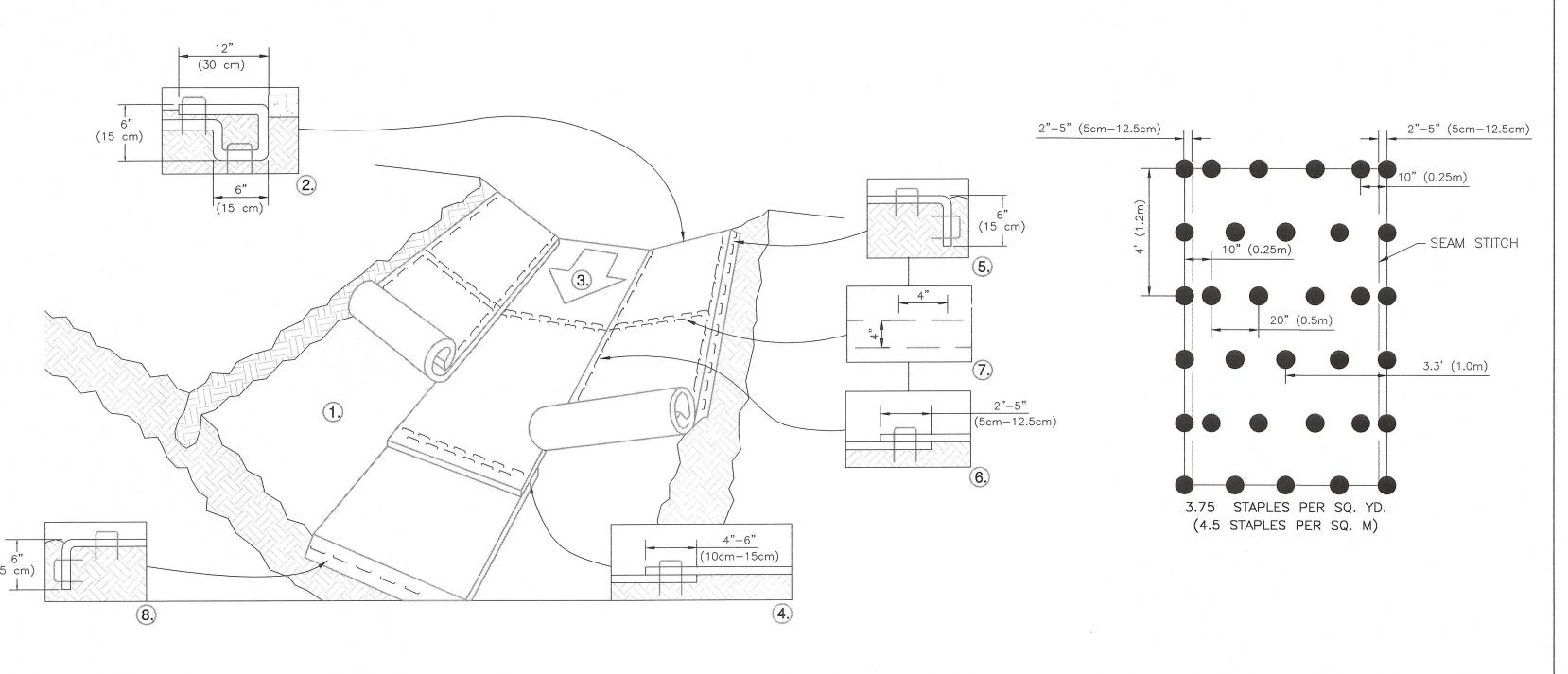
PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER, AND SEED.

6" FAIRCLOTH SKIMMER® DISCHARGE SYSTEM WITH OUTLET STRUCTURE

NOT TO SCALE

2. BEGIN AT THE TOP OF THE CHANNEL BY ANCHORING THE BLANKET IN A 6 INCH (15cm) DEEP x 6 INCH (15cm) WIDE TRENCH WITH APPROXIMATELY 12 INCHES (30cm) OF BLANKET EXTENDED BEYOND THE UP-SLOPE PORTION OF THE TRENCH. ANCHOR THE BLANKET WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12 INCHES (30cm) APART IN THE BOTTOM OF THE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING. APPLY SEED TO COMPACTED SOIL AND FOLD REMAINING 12 INCHES (30cm) PORTION OF BLANKET BACK OVER SEED AND COMPACTED SOIL. SECURE BLANKET OVER COMPACTED SOIL WITH A ROW OF STAPLES/STAKES SPACED APPROXIMATELY 12 INCHES (30cm) APART ACROSS THE WIDTH OF THE BLANKET.

- UNROLL CENTER BLANKET IN DIRECTION OF WATER FLOW IN BOTTOM OF CHANNEL. BLANKETS WILL UNROLL WITH APPROPRIATE SIDE AGAINST THE SOIL SURFACE. ALL BLANKETS MUST BE SECURELY FASTENED TO SOIL SURFACE BY PLACING STAPLES/STAKES IN APPROPRIATE LOCATIONS AS SHOWN IN THE STAPLE PATTERN GUIDE. USE THE STAPLE PATTERN SHOWN ON THIS DETAIL.
- . PLACE CONSECUTIVE BLANKETS END OVER END (SHINGLE STYLE) WITH A 6 INCH (10cm-15cm) OVERLAP. USE A DOUBLE ROW OF STAPLES STAGGERED 4 INCHES (10cm) APART AND 4 INCHES (10cm) ON CENTER TO SECURE BLANKETS.
- 5. FULL LENGTH EDGE OF BLANKETS AT TOP OF SIDE SLOPES MUST BE ANCHORED WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12 INCHES (30cm) APART IN A 6 INCH (15cm) DEEP x 6 INCH (15cm) WIDE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING.
- ADJACENT BLANKETS MUST BE OVERLAPPED APPROXIMATELY 5 INCHES (5cm-12.5cm) AND STAPLED. TO ENSURE PROPER SEAM ALIGNMENT, PLACE THE EDGE OF THE OVERLAPPING BLANKET (BLANKET BEING INSTALLED ON TOP) EVEN WITH THE COLORED SEAM STITCH ON THE BLANKET BEING OVERLAPPED.
- A STAPLE CHECK SLOT IS REQUIRED AT 30 TO 40 FOOT (9m-12m) INTERVALS. USE A DOUBLE ROW OF STAPLES STAGGERED 4 INCHES (10cm) APART AND 4 INCHES (10cm) ON CENTER OVER ENTIRE WIDTH OF THE CHANNEL.
- 8. THE TERMINAL END OF THE BLANKETS MUST BE ANCHORED WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12 INCHES (30cm) APART IN A 6 INCH (15cm) DEEP x 6 INCH (15cm) WIDE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING.



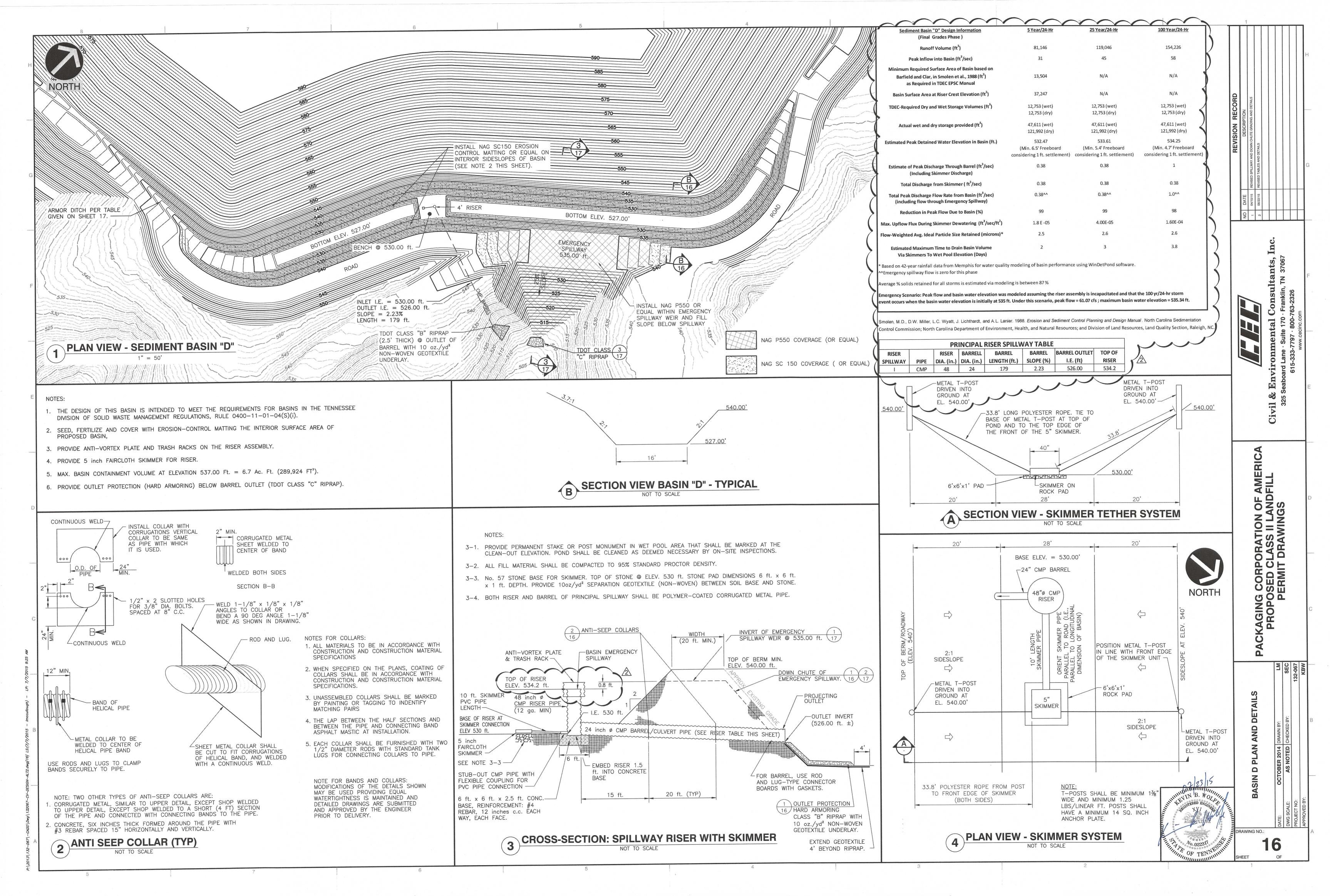
TURF-REINFORCEMENT FOR EMERGENCY SPILLWAY WEIR SECTION (NAG P550 OR EQUAL)

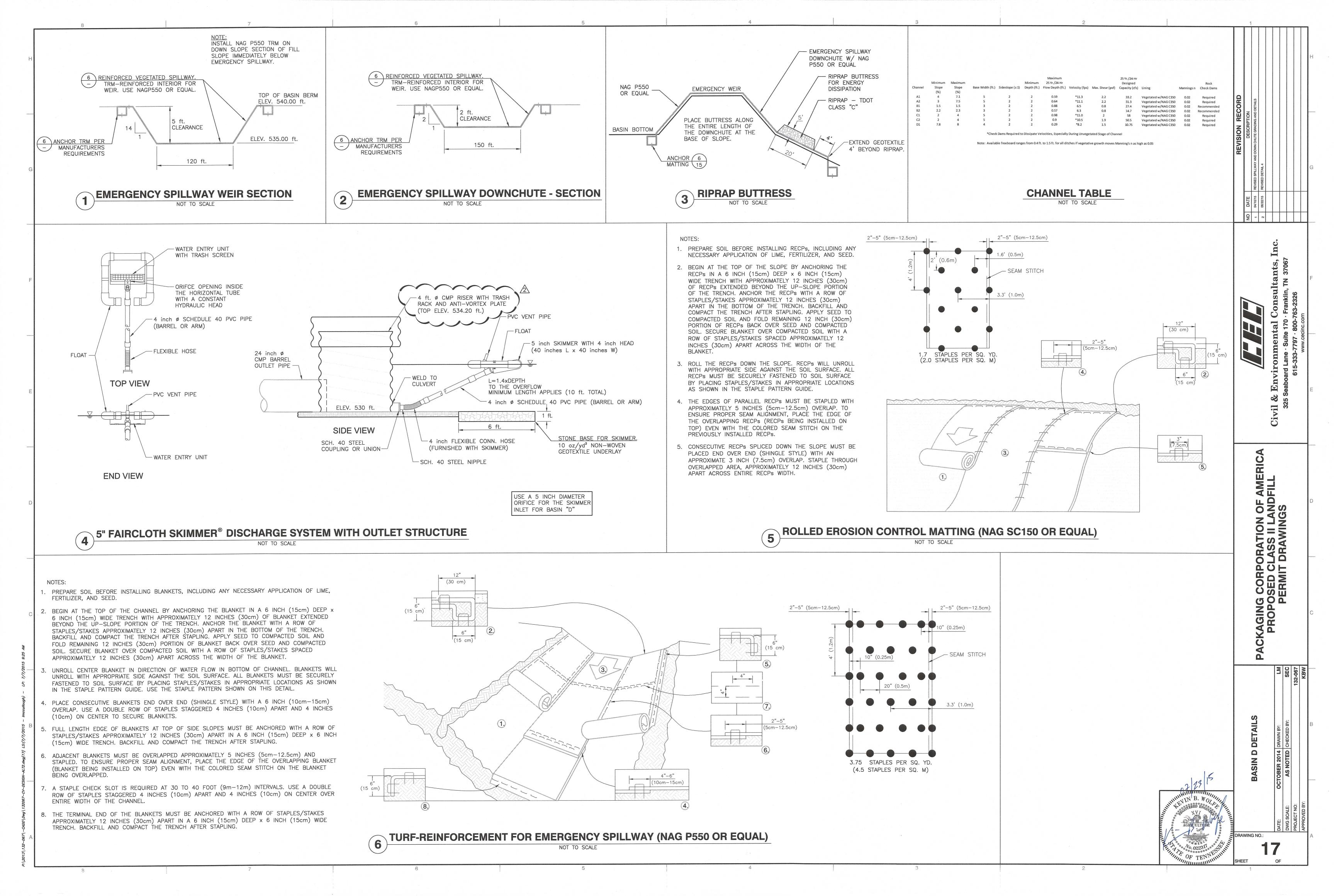
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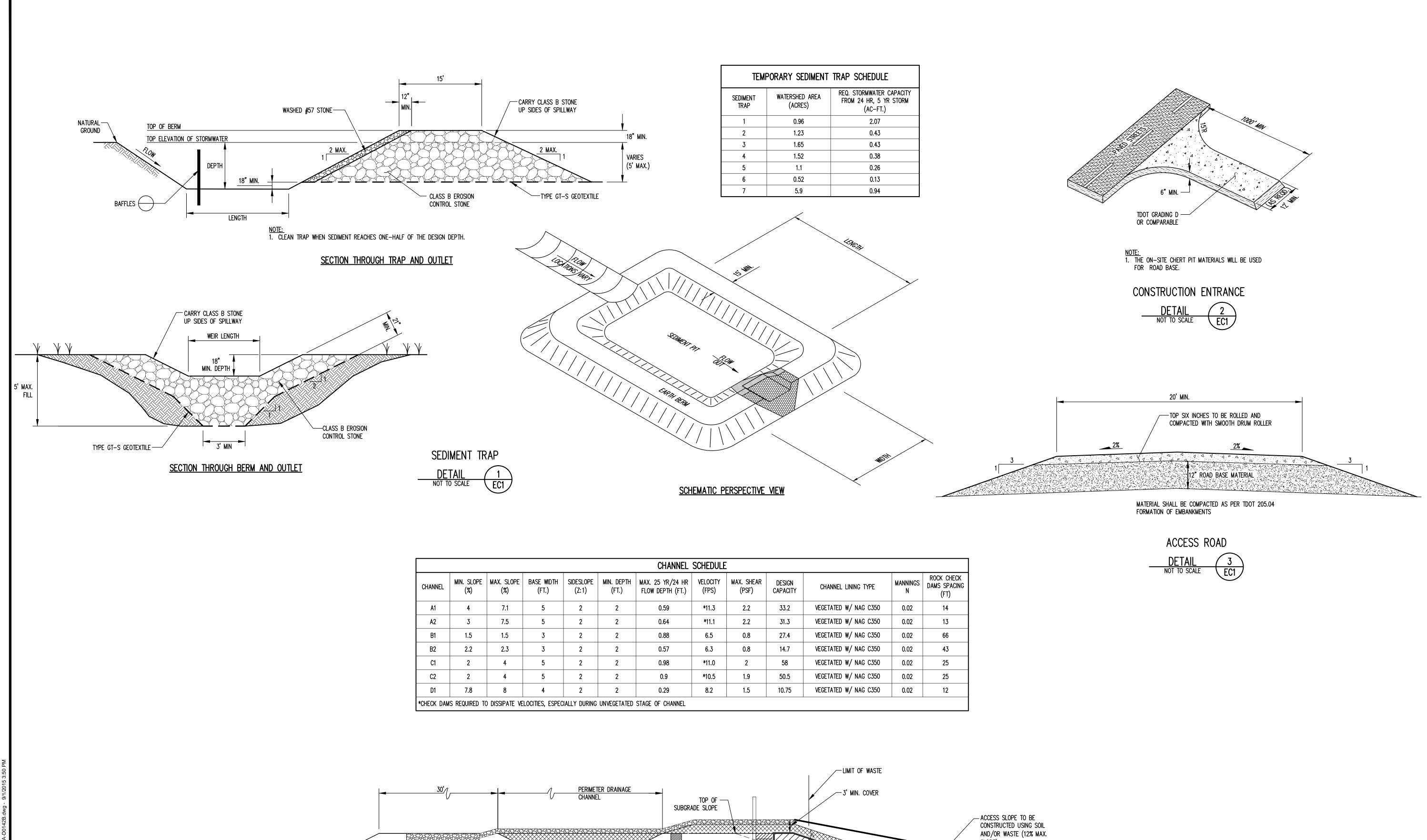
SED CLASS II LANDE PERMIT DRAWINGS

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— PERIMETER ACCESS ROAD

FOR ACTUAL ALIGNMENTS.

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ALTERNATE METHODS MUST BE USED.

1. THIS UTILITY CORRIDOR (ELECTRICAL CONDUIT, FORCEMAIN,

2. INTERFACE SHEAR TESTING/ANALYSIS MUST BE PERFORMED PRIOR TO CONSTRUCTION TO VERIFY THAT THE LCS

ETC.) MAY VARY IN LOCATION. REFER TO PLAN DRAWINGS

GEOTEXTILE OR DRAINAGE GEOCOMPOSITE IS UNANCHORED AS SHOWN. IN THE EVENT THAT THE INSTALLATION IS UNSTABLE UNDER THE ANTICIPATED INSTALLATION/CONSTRUCTION LOADS,

TEMPORARY -

CULVERT

UTILITY CORRIDOR - (SEE NOTE 1)

ANCHOR TRENCH 3

UNCLASSIFIED SOIL BACKFILL—IN LIEU OF TYPE 1 OR 2

LCS MATERIAL (MAX.

PARTICLE SIZE = 3/8")

CELL ACCESS RAMP

STRUCTURAL FILL (TYP.)

EXCAVATION GRADE (VARIES)—

ACKAGING CORPOR

PACKAGING CORPORATION
OF AMERICA
COUNCE, TENNESSEE

PREPARED BY:

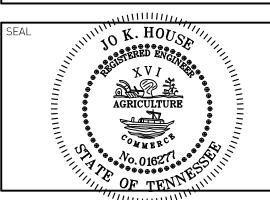
## SMITH+ GARDNER

ENGINEERS

14 N. Boylan Avenue, Raleigh NC 27603 | 919.828.057

PREPARED BY:





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REV.	DATE	DESCRIPTION		
2	APRIL 2015	RESPONSE TO TDEC		
		NOD 2/25/15		
3	JULY 2015	RESPONSE TO TDEC		
		COMMENTS MAY 21, 2015		
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HARBERT TRACT
CLASS II LANDFILL
PERMIT DRAWINGS

DRAWING TITLE:

LINER SYSTEM

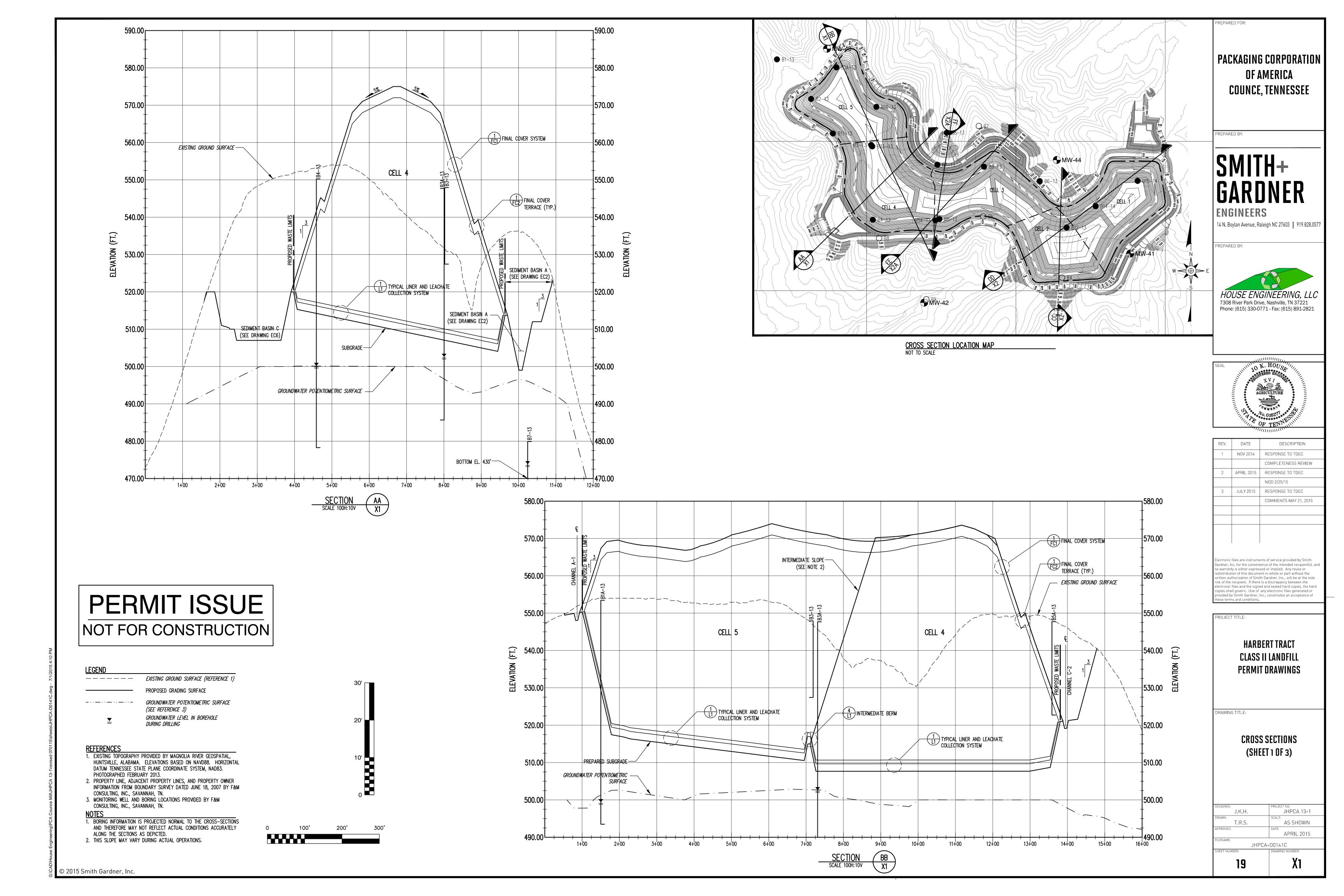
TYPE 1 GRAVEL COLUMN (WHERE APPLICABLE)

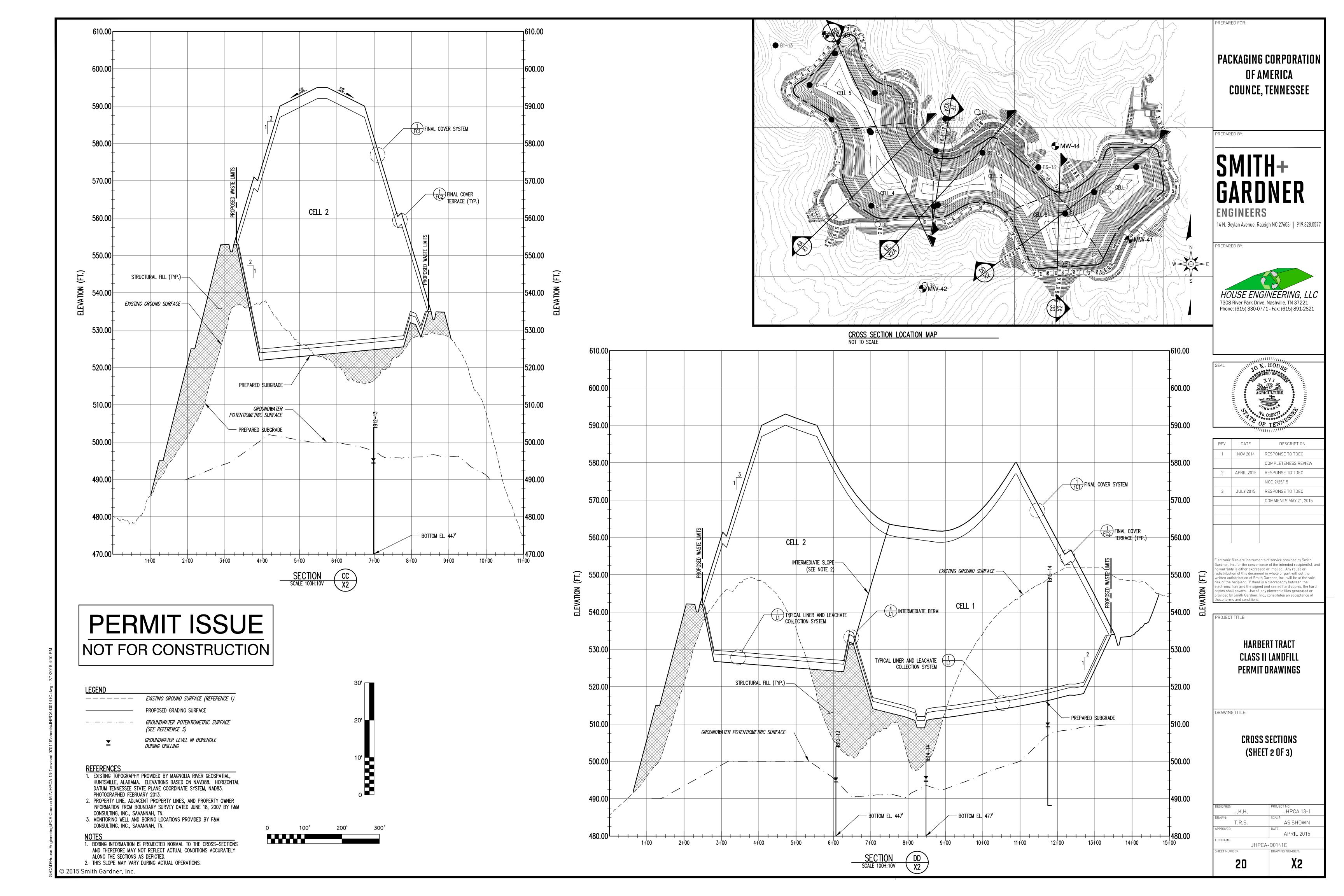
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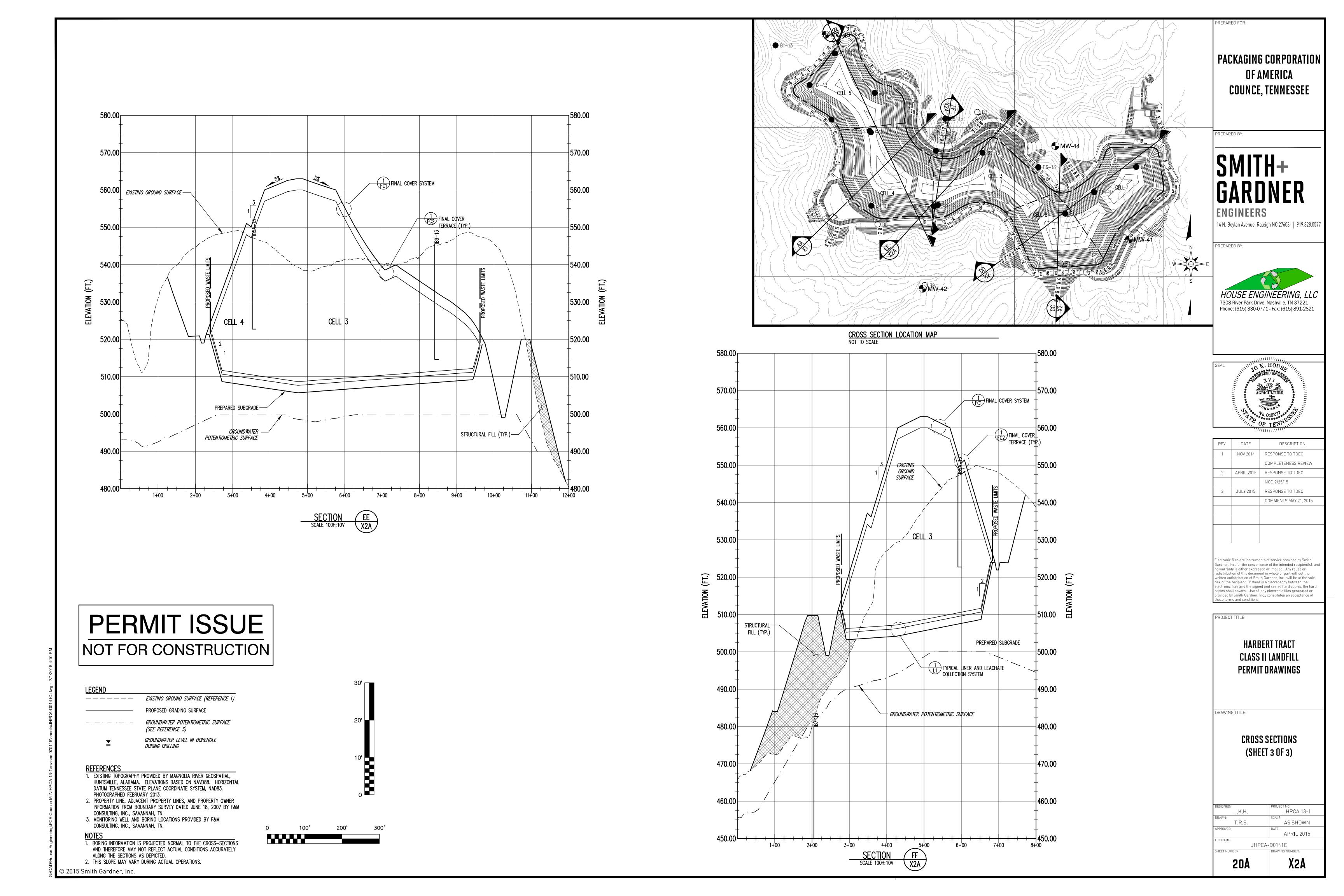
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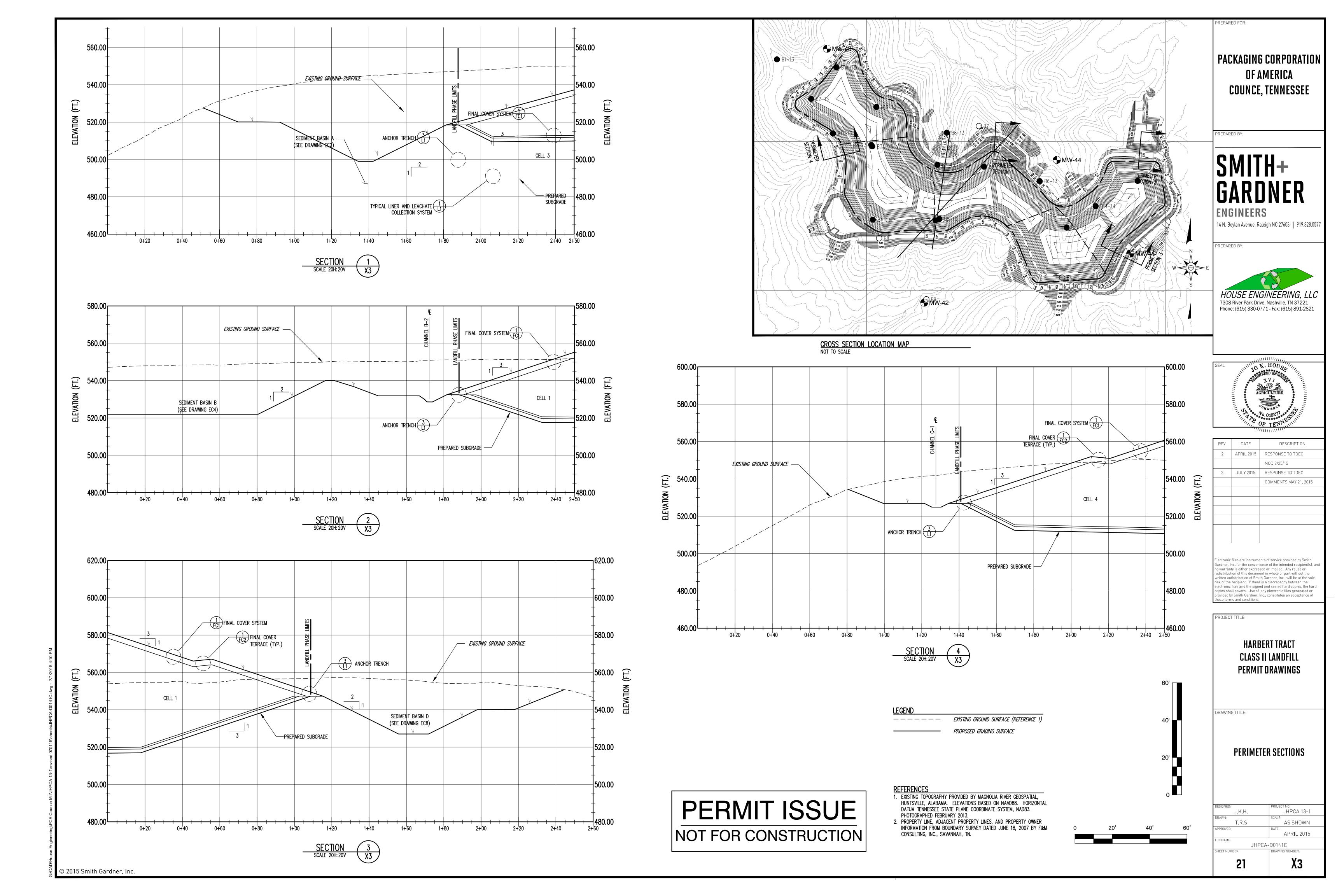
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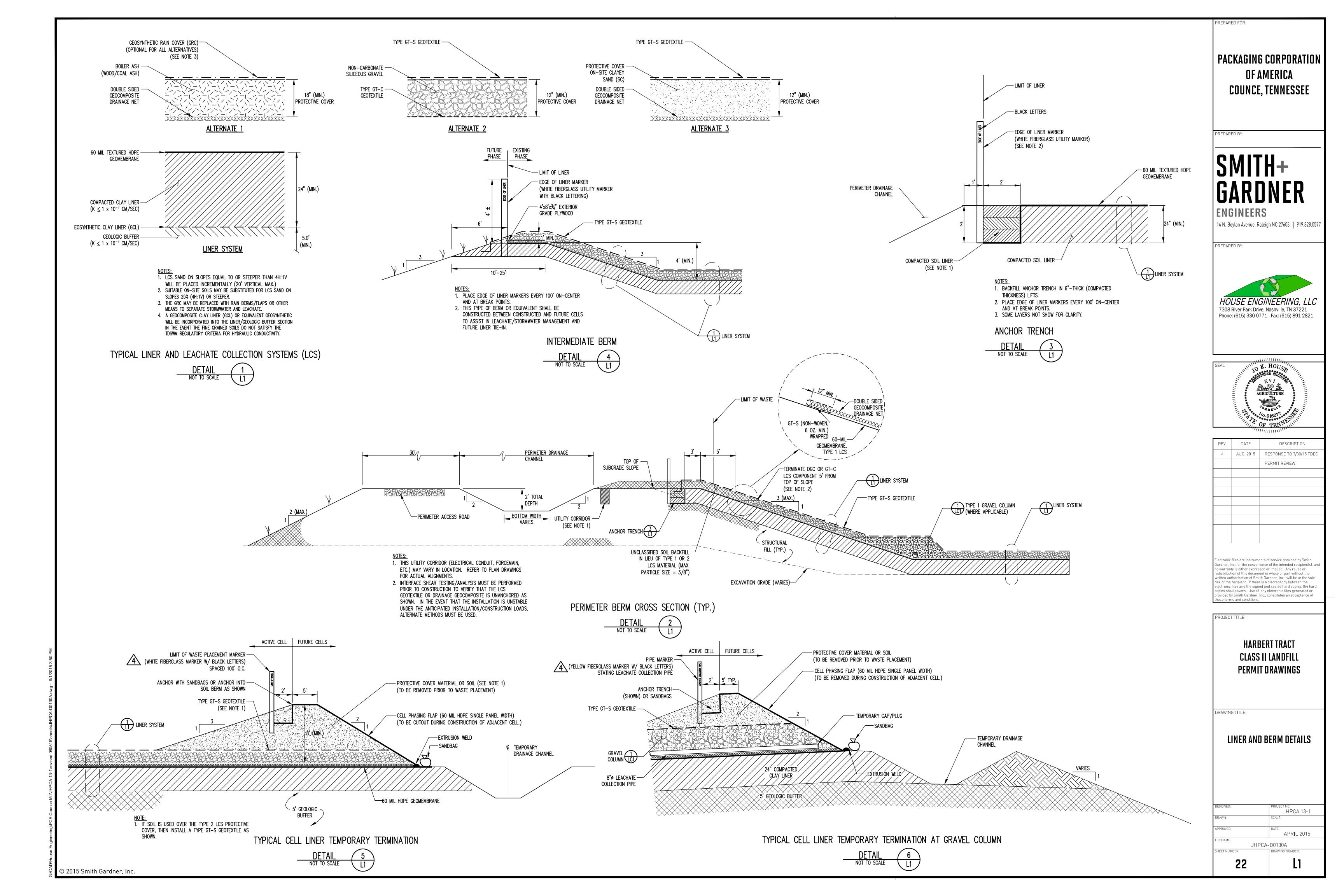
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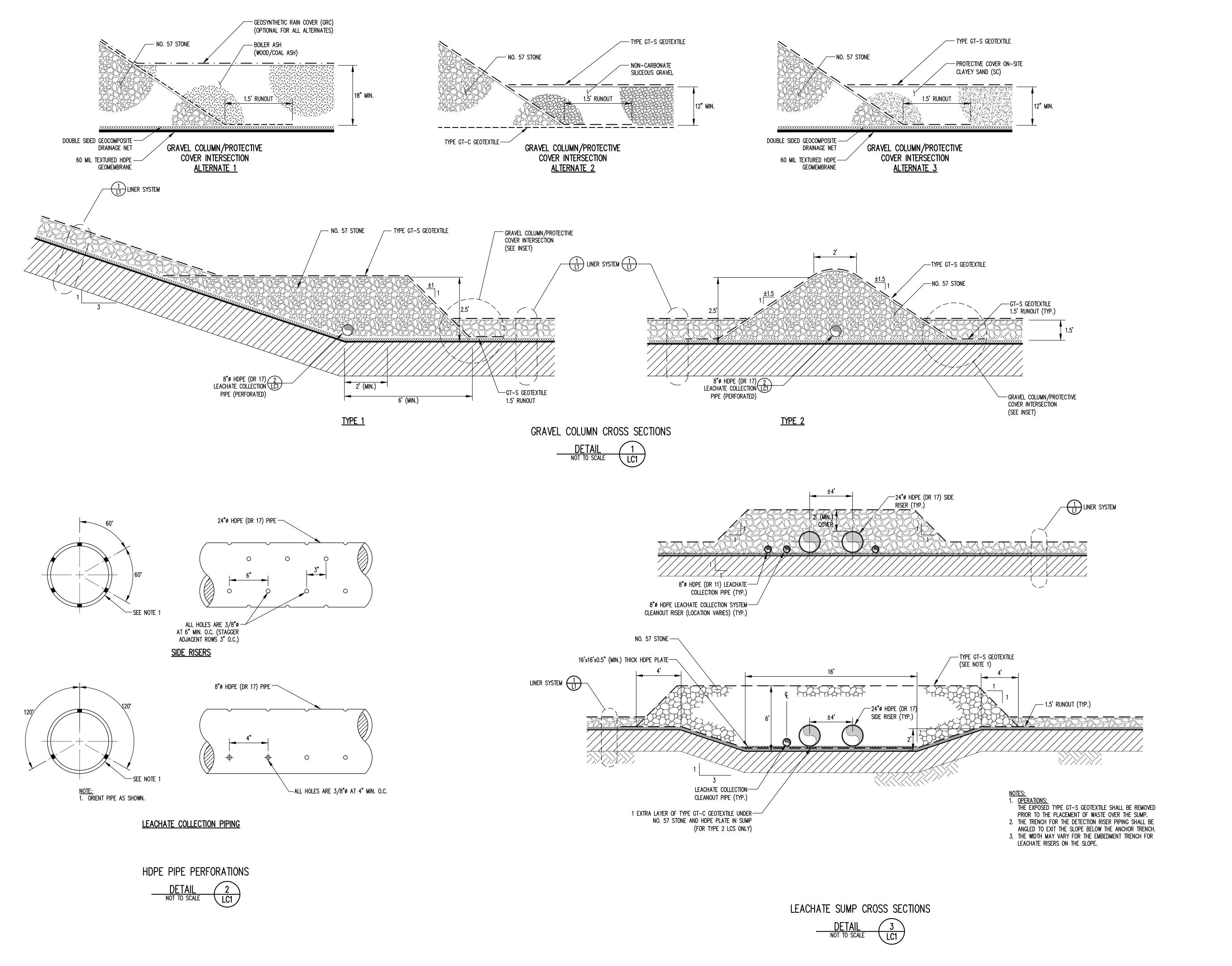












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DRAWING TITLE:

LEACHATE COLLECTION
SYSTEM DETAILS
(SHEET 1 OF 2)

JHPCA 13-1

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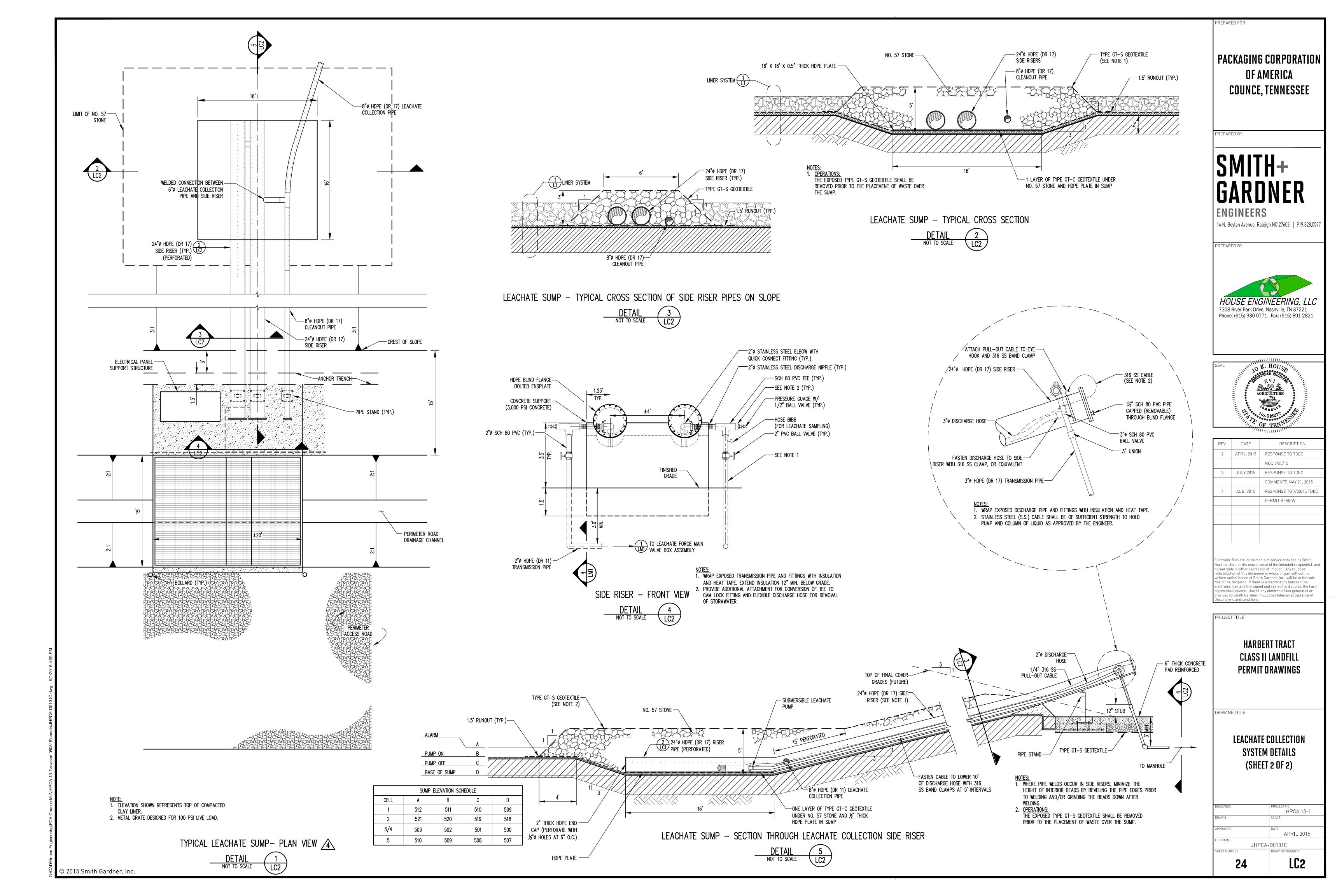
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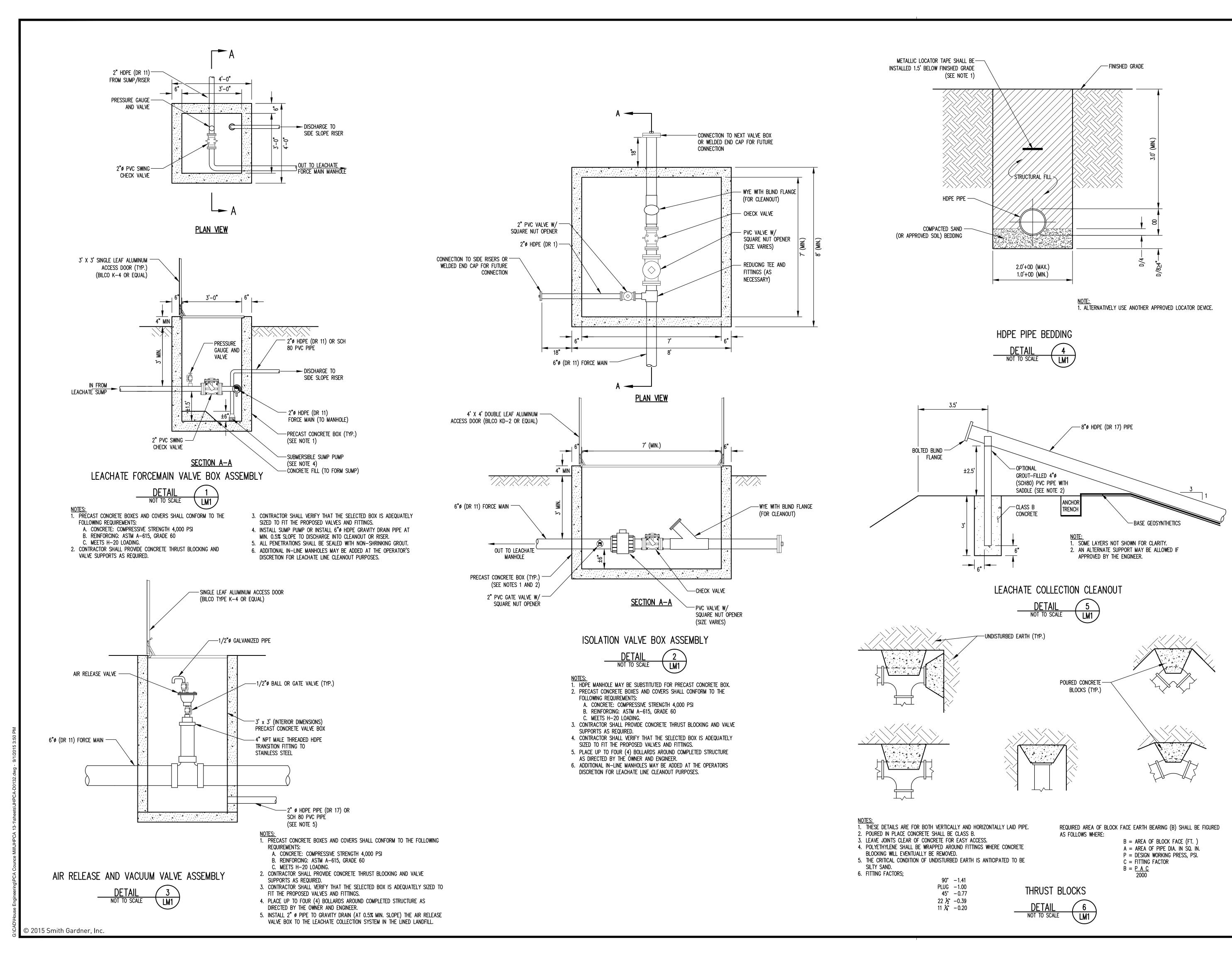
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LEACHATE MANAGEMENT SYSTEM DETAILS

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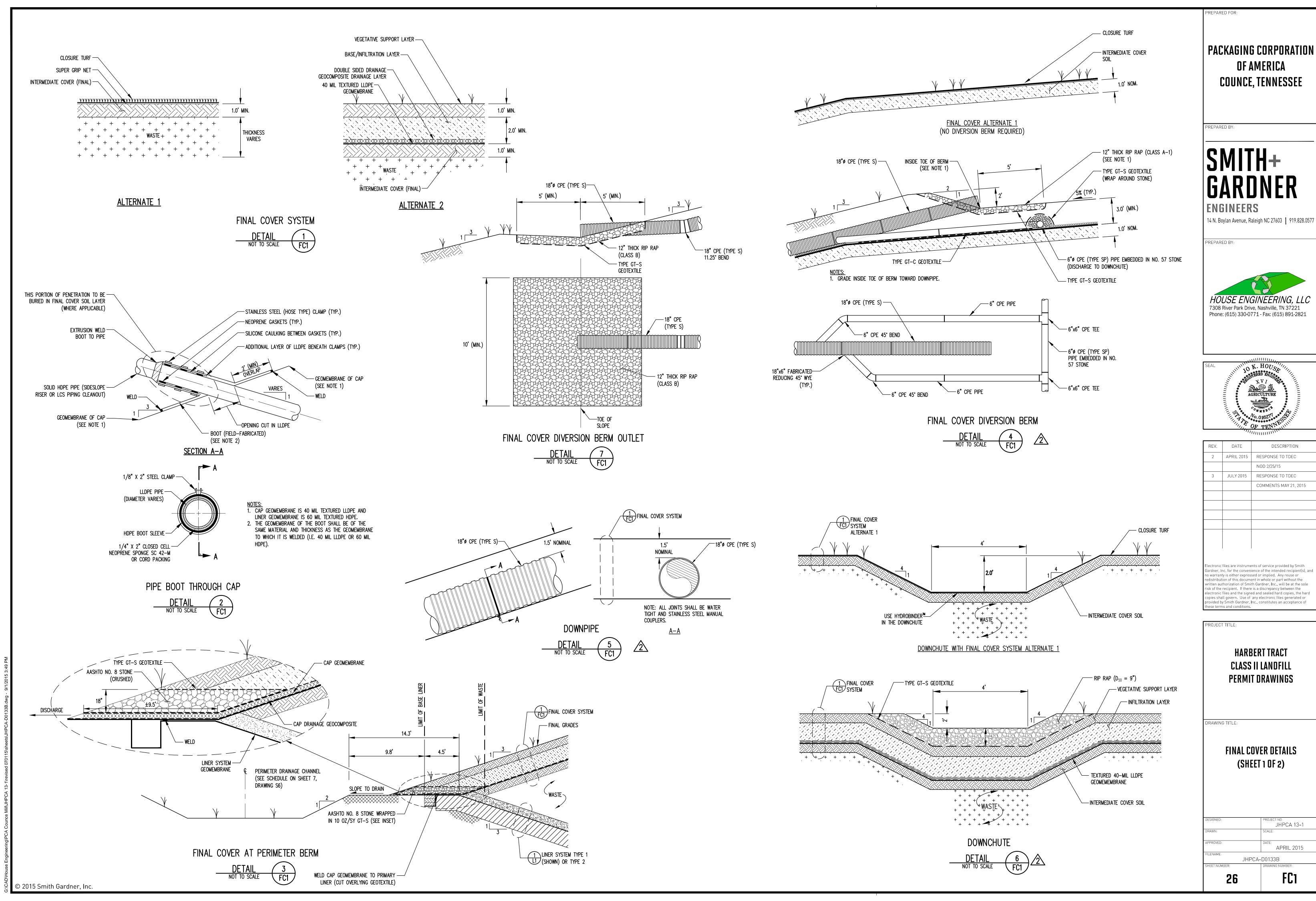
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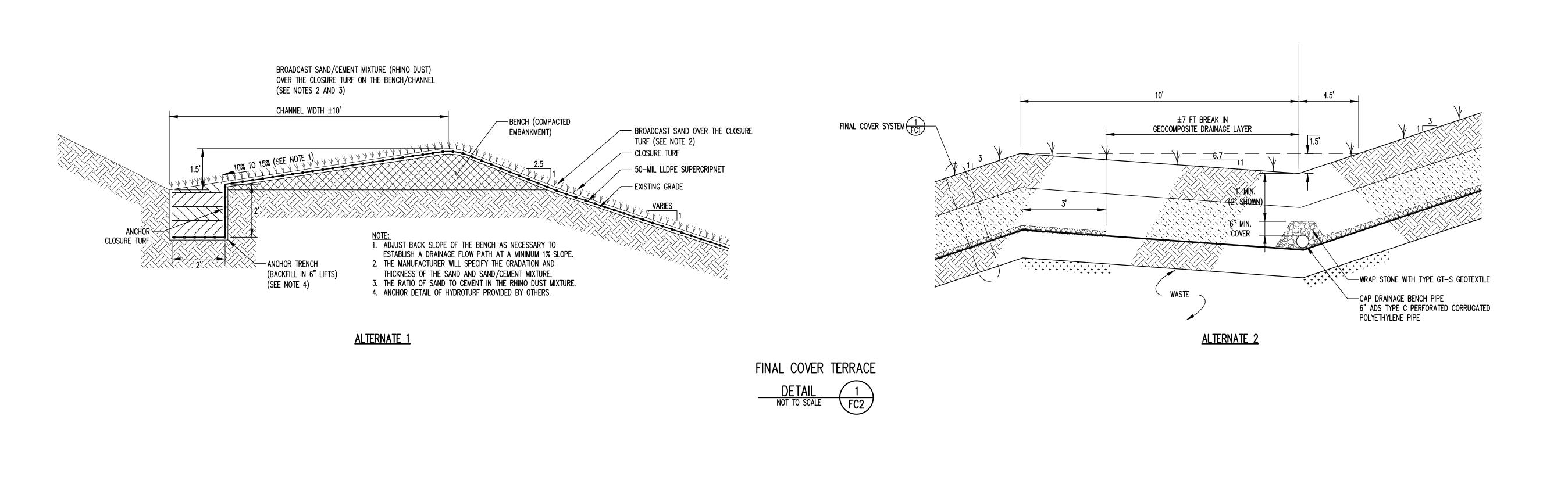
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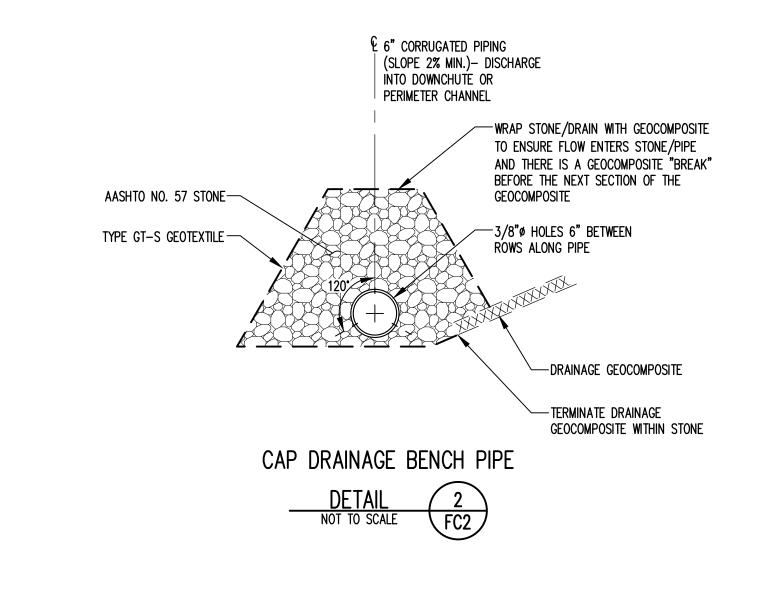
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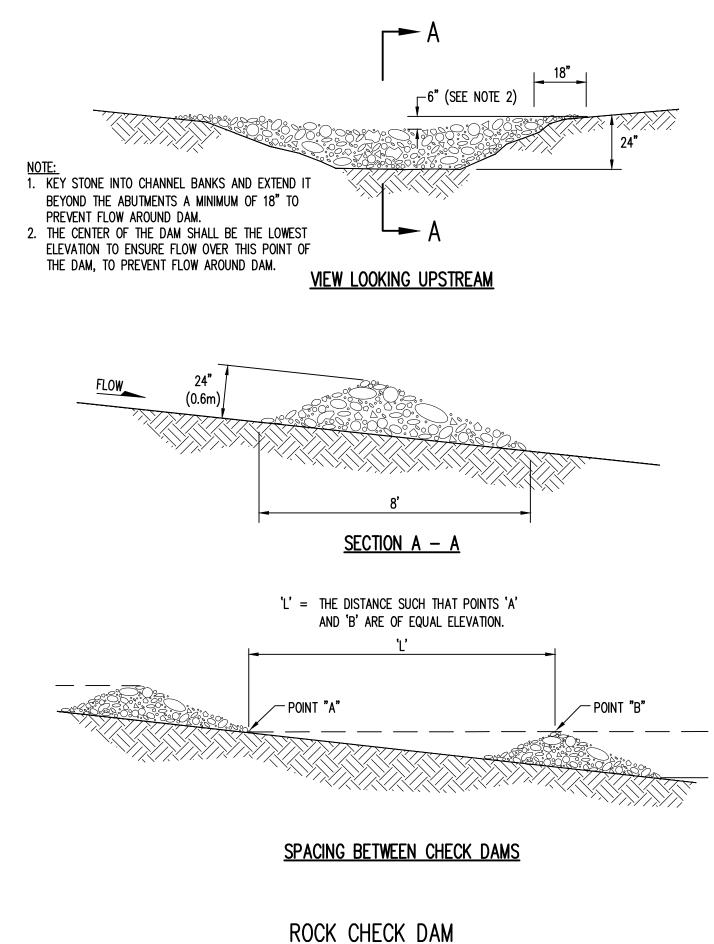
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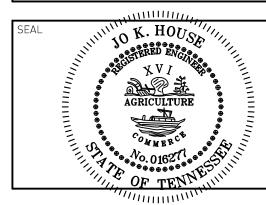
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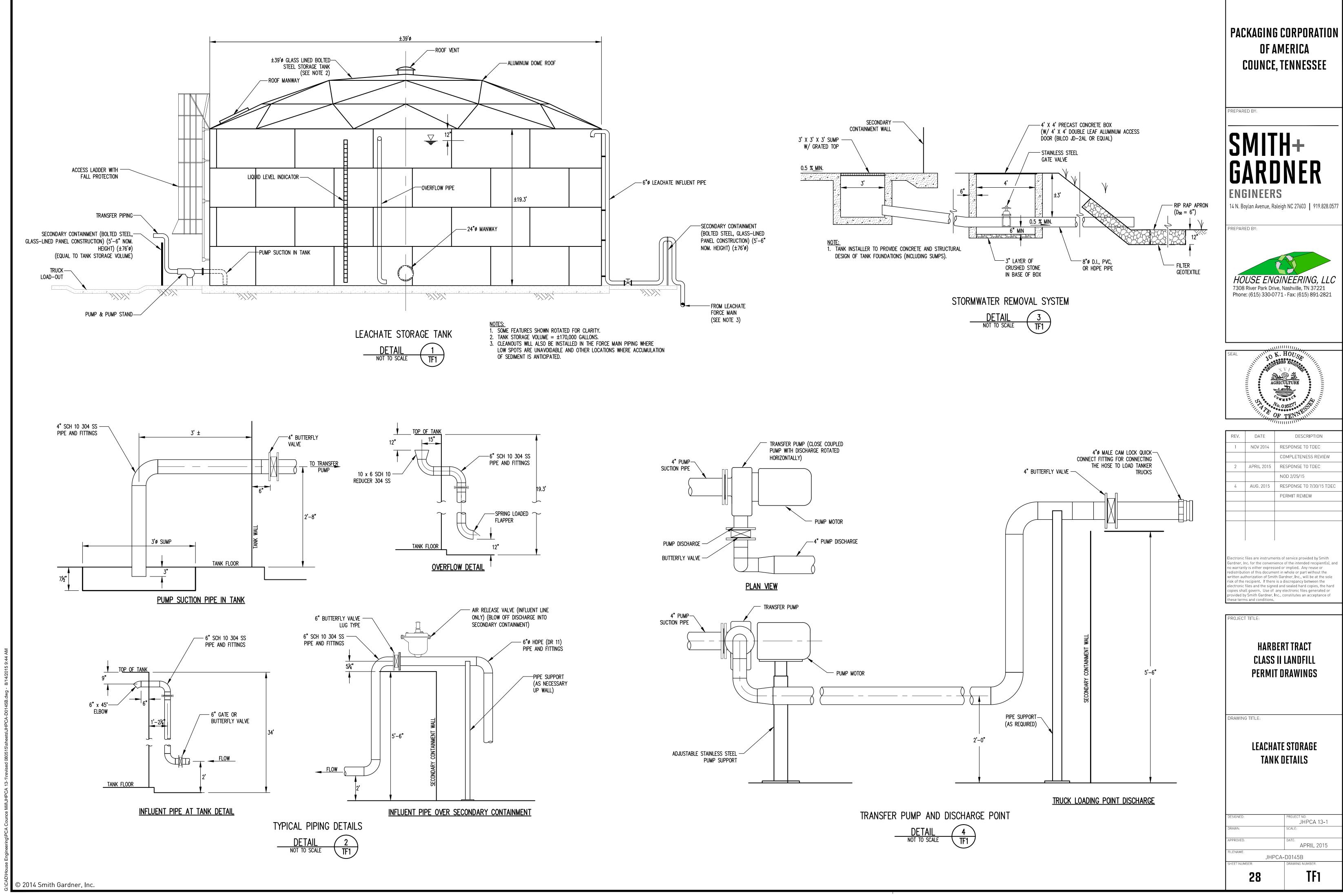
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FINAL COVER DETAILS (SHEET 2 OF 2)

JHPCA 13-1 APRIL 2015 JHPCA-D0133B

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